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SCCSID = model_definition_info.man v1.2 08/18/03

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Hydrologic Systems Modeling Division

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|     D R A F T   D R A F T   D R A F T   D R A F T   D R A F T   D R A F T   D R A F T   D R A F T      |
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|                                     SOUTH FLORIDA WATER MANAGEMENT MODEL V5.0                                        |
|                                                 INPUT MAN PAGE FOR                                                   |
|                                                                                                                      |
|                    model_definition_info.man == a model definition data file (previously known as lecdef*)           |
|                                     (unit no. 2) read in gen_model_def_param.F                                       |
|                                                                                                                      |
|   This file provides general definition for model input, system parameters, and output.  Specific definitions        |
|   are found in other input files peratining to specific features.  In general, data found in this file are:          |
|      Multipliers for:                                                                                                |
|        model input such as runoff, rainfall, inflows, backpumping to LOK, structure and canal design                 |
|        convenyance, and diversion of excess LOK water to proposed reservoirs.                                        |
|      OPTIONS for:                                                                                                    |
|        Municipal wellfield input, Demands and Flow, Maximum numbr of days for WS backpumping into LOK, Makeup         |
|        water, SSM for LOK ENV. WS, Mode of operation of Reg. Release to WCAs, Estuaries’ proposed reservoirs,        |
|        Estuaries’ Demands, and Estuaries’ Reg releasese, Prioritize proposed reservoirs in LOSA, Splitting LOK       |
|        into 2 sections, Prioritize LOK WS, BMPs in EAA, Meeting Env. targets and or demands in Holeyland,            |
|        Rotenberger Tract, and WCA-3A , Conveyance, Flood Control Operations, Divert Excess water into EAA            |
|        reservoirs, Bypass STA-2 for WS from LOK, Bypass runoff from Hill. Canal basin, Holeyland, Routing runoff     |
|        to proposed reservoirs, Injecting runoff to ASR, Env. WS. for Loxahatchee Slough Reuse                        |
|                                                                                                                      |
|      Parameters for:                                                                                                 |
|        Structure information, Overland Flow, LOK initial stage, forepumping, backpumping, minimum level for EAA      |
|        canals, Minimum LOK stage for WS, Demands, Reg releases, Reservoirs, EAA Basins, Conveyance Canals,           |
|        Estuaries, SSM, Env. WS, Env. targets areas, Reuse Plants, Demands in Lake Worth Drainage District, Flow      |
|        routing to STAs, Monitoring points output to DAILY STAGE MONITORING POINT OUTPUT FILE                         |
|=========================================================================================================================

COLUMNS VARIABLE NAME                    FORMAT                                   DESCRIPTION
--------------------------------------------------------------------------------------------------------------------------
1. OPTION FOR MUNICIPAL WELLFIELD INPUT
--------------------------------------------------------------------------------------------------------------------------
1-5     welldat_opt                      A5      option for municipal wellfield input
                                                 FIXED - demand level is fixed throughout simulation period,or
                                                 TIMEV - demand level(well pumpages) varies from year to year
                                                 throughout simulation,as in a Calibration run)
--------------------------------------------------------------------------------------------------------------------------
2. MULTIPLIER FOR RAINFALL INPUT FOR MODEL DOMAIN FOR MONTHS JAN - DEC
--------------------------------------------------------------------------------------------------------------------------
..-..   rf_factor(1)                     Free    Multiplier for rainfall input for model domain for Jan.
```

```
..-..   rf_factor(2)                     Free    Multiplier for rainfall input for model domain for Feb.
            *
            *

..-..   rf_factor(12)                    Free    Multiplier for rainfall input for model domain for Dec.
---------------------------------------------------------------------------------------------------------------------
3. MULTIPLIER FOR RUNOFF FROM BASINS NOT IN MODEL DOMAIN (BOUNDARY FLOWS) FOR MONTHS JAN - DEC
---------------------------------------------------------------------------------------------------------------------
..-..   ro_factor(1)                     Free    Multiplier for runoff from Basins NOT in model domain for Jan.
..-..   ro_factor(2)                     Free    Multiplier for runoff from Basins NOT in model domain for Feb.
            *
            *

..-..   ro_factor(12)                    Free    Multiplier for runoff from Basins NOT in model domain for Dec.
---------------------------------------------------------------------------------------------------------------------
4. MULTIPLIER FOR RAINFALL INPUT FOR LOK FOR MONTHS JAN - DEC
---------------------------------------------------------------------------------------------------------------------
..-..   rf_factor_lok(1)                 Free    Multiplier for rainfall input for LOK for Jan.
..-..   rf_factor_lok(2)                 Free    Multiplier for rainfall input for LOK for Feb.
            *
            *

..-..   rf_factor_lok(12)                Free    Multiplier for rainfall input for LOK for Dec.
---------------------------------------------------------------------------------------------------------------------
5. MULTIPLIER FOR OTHER INFLOWS IN MDS FOR LOK FOR MONTHS JAN - DEC
---------------------------------------------------------------------------------------------------------------------
..-..   ro_factor_lok(1)                 Free    Multiplier for other inflows in MDS for LOK for months Jan.
..-..   ro_factor_lok(2)                 Free    Multiplier for other inflows in MDS for LOK for months Feb.
             *
             *

..-..   ro_factor_lok(12)                Free    Multiplier for other inflows in MDS for LOK for months Dec.
---------------------------------------------------------------------------------------------------------------------
6. PROJECTED SEA LEVEL RISE (FT.)
---------------------------------------------------------------------------------------------------------------------
1-..    proj_sea_level_rise              Free    projected sea level rise (ft)
---------------------------------------------------------------------------------------------------------------------
7.  NUMBER OF PET ZONES IN MODEL DOMAIN, INCLUDING LOK
---------------------------------------------------------------------------------------------------------------------
1-4     netzon                           I4      Number of PET zones in model domain,including LOK
---------------------------------------------------------------------------------------------------------------------
8. NUMBER OF LAND USE TYPES IN MODEL DOMAIN (ONE LAND USE TYPE ASSIGNED TO EACH GRID CELL)
---------------------------------------------------------------------------------------------------------------------
1-4     nlu                              I4      Number of land use types in model domain
---------------------------------------------------------------------------------------------------------------------
9. STRUCTURES WHOSE MEASURED DATA ARE USED IN SIMULATION
---------------------------------------------------------------------------------------------------------------------
1-5     nflpts                           I3,2X   Total number of structures
```

```
6-11    struc_name_meas(1)             A6      Name of Structure # 1
12-17   struc_name_meas(2)             A6      Name of Structure # 2
                *
                *
        struc_name_meas(nflpts)        A6      Name of Structure # nflpts
---------------------------------------------------------------------------------------------------------------------
10.     RESDING MASTER LIST STRUCTURE NAMES (up to 15 records, 20 structures each).
---------------------------------------------------------------------------------------------------------------------
10.1    First Record
---------------------------------------------------------------------------------------------------------------------
1-5     NTSTRCTR                       I3,2X   Total number of structure names in master list that are used as
                                               basis for structure indexing for kflo (structure flow) array.
6-12    FLNM(1)                        A6,1X   name of First structure
13-18   FLNM(2)                        A6,1X   name of Second structure
          *
          *
        FLNM(20)                       A6,1x   name of 20_th structure (last name in the record)
---------------------------------------------------------------------------------------------------------------------
10.2    Second Record
---------------------------------------------------------------------------------------------------------------------
1-5                                    5X      Blank Space
6-12    FLNM(21)                       A6,1X   name of 20 First structure
13-18   FLNM(22)                       A6,1X   name of 20 Second structure
          *
          *
        FLNM(40)                       A6,1x   name of 40_th structure (last name in the record)
---------------------------------------------------------------------------------------------------------------------
          *
          *
          *
          *
---------------------------------------------------------------------------------------------------------------------
10.15   15_th Record
---------------------------------------------------------------------------------------------------------------------
1-5                                    5X      Blank Space
6-12    FLNM(281)                      A6,1X   name of 20 First structure
13-18   FLNM(282)                      A6,1X   name of 20 Second structure
          *
          *
        FLNM(300)                      A6,1x   name of 40_th structure (last name in the record)
---------------------------------------------------------------------------------------------------------------------
11.     RECORD EXISTS ONLY IF IP(11) OR IP(29) IS SET TO 1
        OPTION TO READ RANGE OF DATES TO OUTPUT SOME DAILY BINARY INFORMATION
---------------------------------------------------------------------------------------------------------------------
1-..    iyout1                         Free    Starting Year
..      imout1                         Free    Starting month
..      idout1                         Free    Starting day
..      iyout2                         Free    Ending Year
```

```
..      imout2                          Free    Ending month
..      idout2                          Free    Ending day

---------------------------------------------------------------------------------------------------------------------
        The following info pertains to land use type for Category of land use, ET and other paramters.
        each of the following land use corresponds to one of main categories recognized by the code
        Note:
               1 LDU  Low Density Urban
               2 CIT  Citrus
               3 MDU  Medium Density Urban
               4 SAW  Sawgrass Plains
               5 WET  Wet Prairie
               6 SHR  Shrubland (includes Rangeland)
               7 ROW  Row Crops
               8 SUG  Sugar Cane
               9 IRR  Irrigated Pasture
              10 STA  Stormwater treatment area (with dense vegetation)
              11 HDU  High Density Urban
              12 FWT  Forested Wetland
              13 MAN  Mangroves
              14 MEL  Melaleuca
              15 CAT  Cattail
              16 FUP  Forested Uplands
              17 RS1  Ridge & Slough 1
              18 MLP  Marl Prairie
              19 MIX  Mixed Cattail-Sawgrass
              20 WAT  Open Water
              21 RS2  Ridge & Slough 2
              22 RS3  Ridge & Slough 3
              23 RS4  Ridge & Slough 4
              24 RS5  Ridge & Slough 5
---------------------------------------------------------------------------------------------------------------------
12.     ET COEFFICIENTS FOR LU TYPES 1 - 24 INPUT IN EACH ROW. TOTAL OF 12 ROWS REPRESENTING THE 12 MONTHS OF YEAR.
        READ in subroutine READTK.F
---------------------------------------------------------------------------------------------------------------------
12.1
---------------------------------------------------------------------------------------------------------------------
1-7     K(1,1)                          F7.2    ET calibration coefficient for land use 1 month 1
8-14    K(2,1)                          F7.2    ET calibration coefficient for land use 2 month 1
          *
          *
        K(NLU,1)                        F7.2    ET calibration coefficient for land use NLU month 1


1-7     K(1,2)                          F7.2    ET calibration coefficient for land use 1 month 2
8-14    K(2,2)                          F7.2    ET calibration coefficient for land use 2 month 2
          *
          *
```

```
        K(NLU,2)                        F7.2    ET calibration coefficient for land use NLU month 2


1-7     K(1,12)                         F7.2    ET calibration coefficient for land use 1 month 12
8-14    K(2,12)                         F7.2    ET calibration coefficient for land use 2 month 12
          *
          *
        K(NLU,12)                       F7.2    ET calibration coefficient for land use NLU month 12
        note:   The K value is multiplied by PET (Penman-Monteith method) to produce maximum ET loss.
-----------------------------------------------------------------------------------------------------------------------
13. NAMES OF LAND USE TYPES:
-----------------------------------------------------------------------------------------------------------------------
1-7     land_use_type(1)        A7,1X   character identification for land use type 1 (SUBURB )

9-15    land_use_type(2)        A7,1X   character identification for land use type 2 (AGRICUL)
          *
          *
          *
        land_use_type(NLU)      A7      character identification for land use type NLU (WETLAND)

-----------------------------------------------------------------------------------------------------------------------
14. OPEN WATER ET COEFFICIENT
-----------------------------------------------------------------------------------------------------------------------
1-..    KMAX(1)                         Free    ET coefficient for open water for land use 1
..      KMAX(2)                         Free    ET coefficient for open water for land use 2
          *
          *
        KMAX(NLU)                       Free    ET coefficient for open water for land use NLU
-----------------------------------------------------------------------------------------------------------------------
15. MINIMUM PONDING DEPTH IN FEET
-----------------------------------------------------------------------------------------------------------------------
1-..    OWPOND(1)                       Free    Minimum ponding depth to be considered open water for land use 1
..      OWPOND(2)                       Free    Minimum ponding depth to be considered open water for land use 2
           *
           *
           *
..      OWPOND(NLU)                     Free    Minimum ponding depth to be considered open water for land use NLU
-----------------------------------------------------------------------------------------------------------------------
16. SHALLOW ROOT ZONE PARAMETERS IN FEET: convention : below ground is positve direction
(max. 30 values per line; NLU\30+1 cards total)
-----------------------------------------------------------------------------------------------------------------------
1-..    SRZ(1)                          Free    Depth below land surface of shallow root zone for land use 1
..      SRZ(2)                          Free    Depth below land surface of shallow root zone for land use 2
          *
          *
        SRZ(NLU)                        Free    Depth below land surface of shallow root zone for land use NLU
-----------------------------------------------------------------------------------------------------------------------
17. DEEP ROOT ZONE PARAMETERS: convention : below ground is positve direction
```

```
(max. 30 values per line; NLU\30+1 cards total)
------------------------------------------------------------------------------------------------------------------------
1-..    DRZ(1)                          Free    Depth below land surface (ft) of deep root zone for land use 1
..      DRZ(2)                          Free    Depth below land surface (ft) of deep root zone for land use 2
          *
          *
        DRZ(NLU)                        Free    Depth below land surface (ft) of deep root zone for land use NLU
------------------------------------------------------------------------------------------------------------------------
18.     OVERLAND FLOW PARAMETERS: MANNING'S 'n': n = A*H^b, where H = ponded depth, A,b = coefficients
------------------------------------------------------------------------------------------------------------------------
18.1  A coefficients    (max. 30 values per line)
------------------------------------------------------------------------------------------------------------------------
1-..    OFML(1,1)                       Free    A coefficient for overland flow (node-to-node) for land use 1
..      OFML(2,1)                       Free    A coefficient for overland flow (node-to-node) for land use 2
          *
          *
          *
        OFML(NLU,1)                     Free    A Coeficient for overland flow (node-to-node) for land use NLU
------------------------------------------------------------------------------------------------------------------------
18.2    B coefficients  (max. 30 values per line)
------------------------------------------------------------------------------------------------------------------------
1-..    OFML(1,2)                       Free    b coefficient for overland flow (node-to-node) for land use 1

..      OFML(2,2)                       Free    b coefficient for overland flow (node-to-node) for land use 2
          *
          *
        OFML(NLU,2)                     Free    b coefficient for overland flow (node-to-node) for land use NLU
------------------------------------------------------------------------------------------------------------------------
19.     Minimum Resistivity     (max. 30 values per line; [NLU\30+1]x2 lines total)
------------------------------------------------------------------------------------------------------------------------
1-..    rmin_ofml(1)                    Free    Min resistivity for land use 1
..      rmin_ofml(2)                    Free    Min resistivity for land use 2
                *
                *
..      rmin_ofml(NLU)                  Free    Min resistivity for land use NLU
------------------------------------------------------------------------------------------------------------------------
20.     PONDING DEPTH IN FEET BELOW WHICH NO OVERLAND FLOW IS ALLOWED TO OCCUR
------------------------------------------------------------------------------------------------------------------------
1-..    DETEN_DEF(1)                    Free    Ponding depth below which no overland flow is allowed to occur for
                                                land use 1.
..      DETEN_DEF(2)                    Free    Ponding depth below which no overland flow is allowed to occur for
                                                land use 2.
             *
             *
..      DETEN_DEF(NLU)                  Free    Ponding depth below which no overland flow is allowed to occur for
                                                land use 1.
------------------------------------------------------------------------------------------------------------------------
21.     GRID CELL-TO-CANAL MANNING'S 'n': n = A*H^b,
```

```
        where H = ponded depth, A,b = coefficients; applied to all grid cells;
------------------------------------------------------------------------------------------------------------------------
21.1   A COEFFICIENT                              (max. 30 values per line; [NLU\30+1]x2 lines total)
------------------------------------------------------------------------------------------------------------------------
1-..    OFMC(1,1)                        Free    A coefficient for overland flow into canal within a grid cell for
                                                 land use 1
..      OFMC(2,1)                        Free    A coefficient for overland flow into canal within a grid cell for
                                                 land use 2
          *
          *
..      OFMC(NLU,1)                      Free    A coefficient for overland flow into canal within a grid cell for
                                                 land use NLU
------------------------------------------------------------------------------------------------------------------------
21.2   B COEFFICIENT                              (max. 30 values per line; [NLU\30+1]x2 lines total)
------------------------------------------------------------------------------------------------------------------------
1-..    OFMC(1,2)                        Free    B coefficient for overland flow into canal within a grid cell for
                                                 land use 1
..      OFMC(2,2)                        Free    B coefficient for overland flow into canal within a grid cell for
                                                 land use 2
          *
          *
..      OFMC(NLU,2)                      Free    B coefficient for overland flow into canal within a grid cell for
                                                 land use NLU
------------------------------------------------------------------------------------------------------------------------
22. CANAL-TO-GRID CELL MANNING'S 'n': n = A*H^b, where H = ponded depth, A,b = coefficients; applied to all
------------------------------------------------------------------------------------------------------------------------
22.1   A COEFFICIENT                              (max. 30 values per line; [NLU\30+1]x2 lines total)
------------------------------------------------------------------------------------------------------------------------
1-..    OFMC(1,3)                        Free    A coefficient for overland flow out of canal within a node for
                                                 land use 1
..      OFMC(2,3)                        Free    A coefficient for overland flow out of canal within a node for
                                                 land use 2
          *
          *
        OFMC(NLU,3)                      Free    A coefficient for overland flow out of canal within a node for
                                                 land use NLU
------------------------------------------------------------------------------------------------------------------------
22.2   B COEFFICIENT                              (max. 30 values per line; [NLU\30+1]x2 lines total)
------------------------------------------------------------------------------------------------------------------------
1-..    OFMC(1,4)                        Free    B coefficient for overland flow out of canal within a node for
                                                 land use 1
..      OFMC(2,4)                        Free    B coefficient for overland flow out of canal within a node for
                                                 land use 2
          *
          *
        OFMC(NLU,4)                      Free    B coefficient for overland flow out of canal within a node for
                                                 land use NLU
------------------------------------------------------------------------------------------------------------------------
```

23. PONDING DEPTH BELOW WHICH NO SURFACE WATER−CANAL INTERACTION IS ALLOWED TO OCCUR

1−..	DETEN_DEFC(1)	Free	Ponding depth below which no overland flow is allowed to occur for land use 1.
..	DETEN_DEFC(2)	Free	Ponding depth below which no overland flow is allowed to occur for land use 2.
	*		
	*		
..	DETEN_DEFC(NLU)	Free	Ponding depth below which no overland flow is allowed to occur for land use NLU

24. LAKE OKEECHOOBEE INITIAL STAGES: (ft NGVD);

1−6	stagelo	F6.2	Initial stage value for Lake Okeechoobee (ft NGVD)

25. DEMAND AND FLOW OPTIONS FOR CALOOSAHATCHEE AND ST. LUCIE ESTUARIES

1−5	simcaes	2X,A3	options to have Caloosahatchee Estuary demands(YES or NO)
6−10	simsles	2X,A3	option to have ST. Lucie Estuary Demands(YES or NO)
11−15	es_dmnd_acc_freq	2X,A3	frequency of estuarine accounting(MTH:monthly or DLY:daily)
16−20	opt_bsn_prio_uncond	2X,A3	option to have flows from proposed Caloos/St Lucie reservoir to basin a priority unconditionally over meeting estuarine demands (YES or NO)
21−25	opt_reg_lok_to_cal_res	2X,A3	option to route excess LOK water to Caloos reservoir(YES or NO)
26−30	opt_reg_lok_to_stl_res	2X,A3	option to route excess LOK water to St. Lucie reservoir(YES or NO)
31−35	opt_prior_use_asr_flex_cal	2X,A3	option to implement flexibility in prioritizing (based on LOK Stage) RES/ASR and LOK in meeting demands in Caloos/StLucie basins (YES or NO)
36−40	bflo_frac_c43est	F6.1	fraction of Caloos basin runoff going to LOK

26. SUPPLY SIDE MANAGEMENT PARAMTERES

1−5	use_ssm	2X,A3	Use supply side management scheme(YES or NO)
6−13	lok_targ_level	2X,F6.1	LOK target level for May 31 (end of dry season) for ssm
14−19	ssmminfrac	F6.1	Minimum fraction of LOSA demands met during SSM
20−22	issm_cutb_opt_bcyp	i3	Option to cutback Big Cypress seminole demands due to SSM (1−yes,0−no)
23−25	issm_cutb_opt_istap	i3	Option to cutback Istapoga basin demands due to SSM(1−yes,0−no)
26−28	issm_cutb_opt_brghton	i3	Option to cutback Breighton seminole demands due to SSM (1−yes,0−no)

27. FRACTION OF LOSA demands

1−..	frac_dmnd_met_wt	Free	Fraction of LOSA demands met in drought watch zone
..	frac_dmnd_met_wn	Free	Fraction of LOSA demands met in drought warning zone

28. REFERENCE STAGE SETS DURING WET SEASONS WHEN CUTBACK > 67% (1 card)

1−..	nwgoalsto	Free	Number of reference stage sets for wet season

```
                                                (a set = 2 stage values)
..      mon_targ_wet(1)                Free    Month when the first set of reference stages is considered
..      iday_targ_wet(1)               Free    Day when the first set of reference stages is considered
..      lok_targ_level_wet1(1)         Free    First set reference stage 1
..      lok_targ_level_wet2(1)         Free    Second set reference stage 2

..      mon_targ_wet(2)                Free    Month when the first set of reference stages is considered
..      iday_targ_wet(2)               Free    Day when the first set of reference stages is considered
..      lok_targ_level_wet1(2)         Free    First set reference stage 1
..      lok_targ_level_wet2(2)         Free    Second set reference stage 2
                *
                *
..      mon_targ_wet(nwgoalsto)        Free    Month when the first set of reference stages is considered
..      iday_targ_wet(nwgoalsto)       Free    Day when the first set of reference stages is considered
..      lok_targ_level_wet1(nwgoalsto) Free    First set reference stage 1
..      lok_targ_level_wet2(nwgoalsto) Free    Second set reference stage 2
---------------------------------------------------------------------------------------------------------------------
29.     LAKE OKEECHOOBEE FOREPUMPING TRIGGERS
---------------------------------------------------------------------------------------------------------------------
1-..    rlok_stg_beg_forpmp(1)         Free    LOK stage to begin forepumping at S354
..      rlok_stg_end_forpmp(1)         Free    LOK stage to end forepumping at S354
..      rlok_stg_beg_forpmp(2)         Free    LOK stage to begin forepumping at S351
..      rlok_stg_end_forpmp(2)         Free    LOK stage to end forepumping at S351
..      rlok_stg_beg_forpmp(3)         Free    LOK stage to begin forepumping at S352
..      rlok_stg_end_forpmp(3)         Free    LOK stage to end forepumping at S352
---------------------------------------------------------------------------------------------------------------------
30.     CAPACITIES (cfs) OF PUMPS S354,S351,and S352
---------------------------------------------------------------------------------------------------------------------
1-..    forw_pump_cap(1)               Free    Capacity (cfs) of pump at S354
..      forw_pump_cap(2)               Free    Capacity (cfs) of pump at S351
..      forw_pump_cap(3)               Free    Capacity (cfs) of pump at S352
---------------------------------------------------------------------------------------------------------------------
31.     MINIMUM EAA CANAL STAGES DOWNSTREAM OF S354, S351, AND S352 AT WHICH MAJORITY OF EAA
        FARMERS COULD PUMP WATER FROM MAJOR CANAL SYSTEM INTO THEIR FIELDS FOR WATER SUPPLY PURPOSES.
---------------------------------------------------------------------------------------------------------------------
1-..    rmax_tw_eaad(1)                Free    Minimum EAA canal stages downstream of S-354
..      rmax_tw_eaad(2)                Free    Minimum EAA canal stages downstream of S-351
..      rmax_tw_eaad(3)                Free    Minimum EAA canal stages downstream of S-352
---------------------------------------------------------------------------------------------------------------------
32.     MAXIMUM DEPTH, ft., ABOVE LOK STAGE PUMPS AT S354, S351, AND S352 CAN LIFT WATER FOR WATER SUPPLY PURPOSES.
---------------------------------------------------------------------------------------------------------------------
1-..    rmax_lift(1)                   Free    Maximum depth(ft) above LOK stage pumps at S354
..      rmax_lift(2)                   Free    Maximum depth(ft) above LOK stage pumps at S351
..      rmax_lift(3)                   Free    Maximum depth(ft) above LOK stage pumps at S352
---------------------------------------------------------------------------------------------------------------------
33.     MINIMUM LOK STAGE, ft., WATER CAN BE TAKEN AT S354, S351, AND S352 FOR WATER SUPPLY PURPOSES TO EAA AND LEC
---------------------------------------------------------------------------------------------------------------------
1-..    rmin_lok_stg_forw_pump(1)      Free    Minimum LOK stage water can be taken from LOK at S354
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..      rmin_lok_stg_forw_pump(2)       Free    Minimum LOK stage water can be taken from LOK at S351
..      rmin_lok_stg_forw_pump(3)       Free    Minimum LOK stage water can be taken from LOK at S352
-----------------------------------------------------------------------------------------------------------------------
34.     NUMBER OF DAYS OF WEEK, AND DAY NAMES, WATER WILL BE DELIVERED FROM LOK TO EAA DURING TIMES OF LEC DEMANDS.
        FOR THE REMAINDER OF THE WEEK (IF ANY) WATER WILL BE DELIVERED TO LEC/ENP ONLY VIA S354, S351, AND S352
-----------------------------------------------------------------------------------------------------------------------
1-..    n_days_week_del_eaa(1)          Free    Number of days
..      days_week_del_eaa_ssm(1,1)      Free    First day of the week
..      days_week_del_eaa_ssm(2,1)      Free    Second day of the week
                   *
                   *
..      days_week_del_eaa_ssm(          Free    n_days_week_del_eaa(1)_th day of the week
        n_days_week_del_eaa(1),1)
-----------------------------------------------------------------------------------------------------------------------
35.     NUMBER OF DAYS OF WEEK, AND DAY NAMES, WATER WILL BE DELIVERED FROM LOK TO EAA WHEN LEC DEMANDS BELOW A
        GIVEN THRESHOLD. FOR THE REMAINDER OF THE WEEK (IF ANY) WATER WILL BE DELIVERED TO LEC/ENP ONLY VIA
        S354, S351, AND S352
-----------------------------------------------------------------------------------------------------------------------
1-..    n_days_week_del_eaa(2)          Free    Number of days of week with LOK delivery to EAA when LEC demands
                                                are below a given threshold.
..      days_week_del_eaa_ssm(1,2)      A3,1X   First day of the week of LOK delivery to EAA when LEC demands
                                                are below a given threshold.
..      days_week_del_eaa_ssm(2,2)      A3,1X   Second day of the week of LOK delivery to EAA when LEC demands
                                                are below a given threshold.

                   *
                   *
..      days_week_del_eaa_ssm(          A3,1X   n_days_week_del_eaa(1)_th day of the week of LOK delivery to EAA
        n_days_week_del_eaa(2),2)               when LEC demand below a threshold.
-----------------------------------------------------------------------------------------------------------------------
36.     MULTIPLIERS FOR AMOUNT OF EAA RUNOFF BACKPUMPED TO LOK WHEN WCA-3A/WCA-2A/WCA-1 ARE ABOVE FLOOR ELEVATION.
-----------------------------------------------------------------------------------------------------------------------
1-..    frac_ws_bkp_abv_wcaflr(1)       Free    Multiplier for runoff amount backpumped to LOK from MIAMI canal
                                                 basin via S3/S354
..      frac_ws_bkp_abv_wcaflr(2)       Free    Multiplier for runoff amount backpumped to LOK from NNRHIL canal
                                                basin via S2/S351
..      frac_ws_bkp_abv_wcaflr(3)       Free    Multiplier for runoff amount backpumped to LOK from WPB canal
                                                basin via S352
..      frac_bkflw_wpb_via_l8_abv_flr   Free    Multiplier for runoff amount backpumped to LOK from WPB canal
                                                basin thru L8 and C-10A
-----------------------------------------------------------------------------------------------------------------------
37.     MULTIPLIERS FOR AMOUNT OF EAA RUNOFF BACKPUMPED TO LOK WHEN
        WCA-3A/WCA-2A/WCA-1 ARE AT OR BELOW FLOOR ELEVATION.
-----------------------------------------------------------------------------------------------------------------------
1-..    frac_ws_bkp_bel_wcaflr(1)       Free    Multiplier for runoff backpumped from MIAMI canal basin
..      frac_ws_bkp_bel_wcaflr(2)       Free    Multiplier for runoff backpumped from NNRHIL canal basin
..      frac_ws_bkp_bel_wcaflr(3)       Free    Multiplier for runoff backpumped from WPB canal basin via S352
..      frac_bkflw_wpb_via_l8_bel_flr   Free    Multiplier for runoff backpumped from WPB canal basin via L8
```

```
------------------------------------------------------------------------------------------------------------------------
38.     MAXIMUM CAPACITY FOR WATER SUPPLY BACKPUMPING / BACKFLOW INTO LOK IN UPPER ZONE
------------------------------------------------------------------------------------------------------------------------
1-..    ws_bkp_cap(1,1)                 Free    Maximum capacity for backpumping thru S354
..      ws_bkp_cap(2,1)                 Free    Maximum capacity for backpumping thru S351
..      ws_bkp_cap(3,1)                 Free    Maximum capacity for backpumping thru S352
..      bflo_cap_l8                     Free    Maximum capacity for backflow of WPB canal basin runoff bia L8
------------------------------------------------------------------------------------------------------------------------
39.     MAXIMUM CAPACITY FOR WATER SUPPLY BACKPUMPING INTO LOK IN LOWER ZONE
------------------------------------------------------------------------------------------------------------------------
1-..    ws_bkp_cap(1,2)                 Free    Maximum capacity for backpumping thru S354
..      ws_bkp_cap(2,2)                 Free    Maximum capacity for backpumping thru S351
..      ws_bkp_cap(3,2)                 Free    Maximum capacity for backpumping thru S352
------------------------------------------------------------------------------------------------------------------------
40.     MAXIMUM NUMBER OF DAYS OF WS BACKPUMPING INTO LOK ONCE LOK STAGE RECOVERS ABOVE THRESHOLD AND OPTION
        TO HAVE WATER SUPPLY BACKFLOW TO LOK FROM EAA PRIOR TO OR AFTER ROUTING OF RUNOFF TO APPROPRIATE STA
------------------------------------------------------------------------------------------------------------------------
1-..    MAXBPCNTR                       Free    Maximum number of days
..      iwsbkpwsta                      Free    Backflow occurs prior to (=1), after (=0), runoff routing
------------------------------------------------------------------------------------------------------------------------
41.     DEMAND LEVEL FOR LOK
------------------------------------------------------------------------------------------------------------------------
1-6     demand_level_opt                2x,A4   Demand level for LOK
------------------------------------------------------------------------------------------------------------------------
42.     RUNOFF AND DEMAND MULTIPLIERS FOR BASINS AND ESTUARIES
------------------------------------------------------------------------------------------------------------------------
1-..    rlosa_factor(1,1)               Free    St.Lucie basin runoff multiplier
..      rlosa_factor(1,2)               Free    St.Lucie basin demand multiplier
..      rlosa_factor(2,1)               Free    Caloos. basin runoff multiplier
..      rlosa_factor(2,2)               Free    Caloos. basin demand multiplier
..      rlosa_factor(3,1)               Free    ISTOPOGA basin runoff multiplier
..      rlosa_factor(3,2)               Free    ISTOPOGA basin demand multiplier
..      rlosa_factor(4,2)               Free    FPL Reservoir allocation multiplier
..      rlosa_factor(5,2)               Free    Breighton Semimole demand multiplier
..      cale_dmnd_factor                Free    Caloosahatchee Estuariy demand multiplier
..      sle_dmnd_factor                 Free    St Lucie Estuary demand mulyiplier
------------------------------------------------------------------------------------------------------------------------
43.     OPTIONS FOR MAKEUP WATER, SSM FOR LOK ENV. WATER SUPPLY,
        LOK DELIVERY TO MEET ROTENBERGER TRACT ENV. DEMANDS
------------------------------------------------------------------------------------------------------------------------
1-9     make_up_water_opt               2X,A7   Option for use of Makeup Water to WCAs(MAKEUP or NOMAKUP)
10-16   makeup_water_restr              2X,A5   option for restricting Makeup water deliveries during dry season
17-21   env_ws_cutb_ssm_opt             2X,A3   option for cutting back ENV. water supply deliveries from LOK
                                                (according to SSM) (YES or NO)
22-26   opt_ws_to_roten_frm_lok         2X,A3   option for using LOK to meet Rotenberger Tract environmental
                                                demands(YES or NO)
------------------------------------------------------------------------------------------------------------------------
44.     OPTIONS FOR:  MODE OF OPERATION OF REGULATORY RELEASES TO WCAs, DELIVERY TO WCA-1 and WCA2A WHEN
```

MULTI−SEASONAL FORECAST IS GREATER THAN THRESHOLD FOR DISCHARGES TO ESTUARIES OR WCAs, CONSIDERING STAGES IN ALL DOWNSTREAM WCAs IN LIMITING REG> RELEASES FROM LOK TO WCA−1 AND WCA−2.

1−6	lok_reg_to_wca_mode	2X,A4	Mode of operation of regulatory releases to WCAs: FLDC:flood control,release water as conveyance allows NEED: release water only if WCAs need water
7−11	opt_multi_seas_for_reg_wca	2X,A3	Option to deliver water to WCA1 and WCA2A when multi−seasonal forecast is greater than threshold for discharges to estuaries(EST) or WCAs (1−yes,0−no)
12−14	iopt_coth_wcas(1)	I3	option to consider stages in all downstream WCAs in limiting regulatory releases from LOK to WCA−1(1−yes,0−no)
15−17	iopt_coth_wcas(2)	I3	option to consider stages in all downstream WCAs in limiting regulatory releases from LOK to WCA2A(1−yes,0−no)

45. OPTIONS IN CALOOSAHATCHEE BASIN TO: INCLUDE A PROPOSED RESERVOIR, MEET ESTUARY DEMANDS, AND S79 REG. RELEASES. (1 = YES ,0 = NO)

1−..	idbsnopt1	Free	Option to include proposed reservoir in Caloosahatchee Basin
..	iuse_lok1	Free	Option to use LOK to help meet estuarine demands in Caloos basin
..	iregcals79opt	Free	Option for LOK regulatory releases to Caloos estuary at S79

46. OPTIONS FOR ST. LUCIE BASIN TO: INCLUDE A PROPOSED RESERVOIR, MEET ESTUARINE DEMANDS, INCLUDE RESERVOIR FOR TRIBUTARY (1 = YES ,0 = NO)

1−..	idbsnopt2	Free	option to include proposed reservoir in St Lucie Basin
..	iuse_lok2	Free	option to use LOK to help meet estuarine demands in St Lucie Basin
..	itribres2	Free	option to include reservoir for tributary

47. OPTIONS TO USE OR PRIORITIZE PROPOSED RESERVOIRS IN LOSA (1 = YES ,0 = NO)

1−..	inorth_stor_opt	Free	Option to use proposed North storage reservoir for LOK
..	iprop_res_prior_opt_lokreg	Free	Option to priortize prop reservoir(s) as recipient(s) of LOK excess water (use neutral capac for pumped flow instead of grav flow)
..	itcns_res_opt	Free	Option to use proposed Taylor Creek Reservoir in routing S191 and S133 flows to LOK

48. OPTIONS FOR SPLITTING LOK INTO TWO SECTIONS, THE MDS AND RAINFALL ALLOCATIONS FOR EACH SECTION, AND CAPACITY OF STRUCTURE CONNECTING THE TWO SECTIONS.

1−..	lok_split_option	Free	option to split LOK into two sections: LOK section with Littoral zone, and LOK section (Lake Section) treated as reservoir.
..	fract_mds_res	Free	Fraction of MDS used for LOK Reservoir section
..	fract_mds_litzone	Free	Fraction of MDS used for LOK Littoral zone section
..	fract_rain_litzone	Free	fraction of rainfall volume used for LOK Littoral zone section
..	capac_struc_to_lokres	Free	capacity(cfs) of structure that connects the two LOK sections

49. TOTAL ACREAGE OF PROPOSED RESERVOIRS IN CALOOSAHATCHEE, ST. LUCIE, NORTH STORAGE, AND TAYLOR CREEK.

```
        AND FRACTION OF TOTAL SEEPAGE FROM NORTH STORAGE RESERVOIR THAT IS LOST
-----------------------------------------------------------------------------------------------------------------------
1-..    caloos_res_area                 Free    Total area of Caloos reservoir (acres)
..      caloos_res_area_w_asr           Free    Total area of Caloos reservoir with ASR wells (acres)
..      stlucie_res_area                Free    Total area of proposed St Lucie reservoir (acres)
..      rnorth_stor_res_area            Free    Total area of proposed North Storage (acres)
..      tayck_nubsl_res_area            Free    Total area of proposed Taylor Creek reservoir (acres)
..      res_seep_factor                 Free    Fraction of total seepage from North Sorage reservoir
                                                that is lost
-----------------------------------------------------------------------------------------------------------------------
50.     MAXIMUM DEPTH OF WATER ALLOWED FOR ST. LUCIE AND CALOOSAHATCHEE RESERVOIRS
-----------------------------------------------------------------------------------------------------------------------
1-..    stlucie_res_max_dpth            Free    Maximum depth of water allowed for St Lucie Reservoir (ft.)
..      caloos_res_max_dpth             Free    Maximum depth of water allowed for Caloos Reservoir (ft.)
-----------------------------------------------------------------------------------------------------------------------
51.
-----------------------------------------------------------------------------------------------------------------------
1-..    isem_flg                        Free    Option to simulate operations to meet Seminole Indians'
                                                agricultural demands in Western Basin (1 = YES ,0 = NO)
-----------------------------------------------------------------------------------------------------------------------
52.     OPTIONS TO INCLUDE ENV. RELEASES IN SSM AND TO PRIORITIZE LOK WATER SUPPLY RELEASES.
-----------------------------------------------------------------------------------------------------------------------
1-5     ssm_env                         A5      Option to include Env. releases from LOK, in addition to meeting
                                                LEC urban demands, as part of SSM (TRUE or FALSE)
6-10    flow_to_wca_prior               2X,3A   Option used in prioritizing water supply releases from LOK:
                                                LEC:Lower East Coast priority with extent controlled by user
                                                NPR:"no priority" or compromise option
-----------------------------------------------------------------------------------------------------------------------
53.     STAGE BREAKPOINT FOR MONTHS JAN - DEC FOR BOTTOM OF ZONE B OF WATER SUPPLY ZONES OF LOK OPERATIONAL SCHEDULE
        IT IS LOK STAGE BELOW WHICH NO WATER SUPPLY DELIVERIES ARE MADE TO STAs  OR  OTHER RESERVOIRS, IF DESIRED.
-----------------------------------------------------------------------------------------------------------------------
1-6     RSIAPM(1)                       F6.2    Stage Breakpoint for January.
7-12    RSIAPM(2)                       F6.2    Stage Breakpoint for February.
           *
           *
67-72   RSIAPM(12)                      F6.2    Stage Breakpoint for December.
-----------------------------------------------------------------------------------------------------------------------
54.     ORDER OF RELEASING FLOOD FLOWS FROM LOK THRU EAA CANALS TO PROPOSED RESERVOIRS (if any)
        THE INDICES CORRESPONDING TO LOK OUTLETS SOUTH ARE:
        1 - FLOWS THRU S352 AND WPB CANAL              2 - FLOWS THRU S351 AND HILL CANAL
        3 - FLOWS THRU S351 AND NNR  CANAL             4 - FLOWS THRU S354 AND MIAMI CANAL
-----------------------------------------------------------------------------------------------------------------------
1-5     NSTRCA                          I5      Number of potential LOK flood outlets to Proposed Resorvoir(s)
6-10    irg_to_res_prty(1)              I5      First outlet index
11-15   irg_to_res_prty(2)              I5      Second outlet index
                *
                *
..-..   irg_to_res_prty(NSTRCA)         I5      NSTRCA_th outlet index
```

55. ORDER OF RELEASING FLOOD FLOWS FROM LOK THRU EAA CANALS TO WATER CONSERVATION AREAS
THE INDICES CORRESPONDING TO LOK OUTLETS SOUTH ARE:

1 - FLOWS THRU S352 AND WPB CANAL
2 - FLOWS THRU S351 AND HILL CANAL
3 - FLOWS THRU S351 AND NNR CANAL
4 - FLOWS THRU S354 AND MIAMI CANAL

1-5	NSTRCA_REG	I5	Number of LOK flood flow outlets to WCAs
6-10	IRGPRTY(1)	I5	First outlet index
11-15	IRGPRTY(2)	I5	Second outlet index
	*		
	*		
..-..	IRGPRTY(NSTRCA_REG)	I5	NSTRCA_REG_th outlet index

56. NUMBER OF EAA BASINS, EAA CONVEYANCE CANALS, STRUCTURES BACKPUMPING WATER FOR FLOOD CONTROL INTO LOK

1-4	NEAABSN	I4	number of EAA basins simulated
5-8	neaacnl	I4	number of EAA conveyance canals
9-12	NBPSTR	I4	number of structures backpumping water for flood control into LOK

57. INITIAL AVERAGE WATER DEPTH IN THE EAA AND THE AVERAGE DEPTH OF SOIL COLUMN

1-5	solinit	F5.2	Initial depth of water (ft.) in soil column in EAA,assumed uniform
6-10	depth_soil_eaa	F5.2	avrage depth of soil column (ft.)

58. BASIN NUMBER FOR SUGAR RANCH PLANTATION, MINIMUM AND MAXIMUM ROW NUMBERS FOR NNRC BASIN IN EAA

1-4	ISUGBSN	I4	Basin number for SUGAR RANCH Plantation
5-8	MINYNNR	I4	Minimum row number for NNRC basin in EAA
9-12	MAXYNNR	I4	Maximum row number for NNRC basin in EAA

59. MINIMUM AND MAXIMUM X-COORDINATES (COLUMN NUMBERS) FOR ALL ROWS IN NNRC BASIN (ROW 42 THRU ROW 54)

59.1 MINIMUM COLUMN NUMBERS

1-4	IXMNNNR(MINYNNR)	I3	Minimum column number for row MINYNNR
5-8	IXMNNNR(MINYNNR+1)	I3	Minimum column number for row MINYNNR+1
	*		
	*		
..-..	IXMNNNR(MAXYNNR)	I3	Minimum column number for row MAXYNNR

59.2 MAXIMUM COLUMN NUMBERS

1-4	IXMXNNR(MINYNNR)	I3	Maximum column number for row MINYNNR
5-8	IXMXNNR(MINYNNR+1)	I3	Maximum column number for row MINYNNR+1
	*		
	*		
..-..	IXMXNNR(MAXYNNR)	I3	Maximum column number for row MAXYNNR

```
60.     MULTIPLIER FOR FLOOD CONTROL BACKPUMPING INTO LOK AND OPTION TO SIMULATE BMPs IN EAA
----------------------------------------------------------------------------------------------------
1-5     BMPRED                          F5.0    Multiplier for Flood Control Backpumping into LOK
6-12    bmp_opt                         2x,A5   Option to simulate BMPs in EAA (TRUE or FALSE)
----------------------------------------------------------------------------------------------------
61.     OPTIONS FOR MEETING ENV. TARGETS AND/OR DEMANDS IN HOLEYLAND, ROTENBERGER TRACT, AND WCA-3A
        OPTION TO RE-PROPORTION SIMULATED EAA AGRIC. RUNOFF IN DTEREMINING DISCHARGE THRU OUTLET STRUCTURES
        ALL OPTIONS TAKE (TRUE or FALSE)
----------------------------------------------------------------------------------------------------
1-7     hlyenv                          A5,2X   Option for meeting environmental targets in Holeyland
8-14    rotenenv                        A5,2X   Option for meeting environmental targets in Rotenberger Tract
15-21   nnrctwca3a                      A5,2X   Option to use NNRC in EAA as conduit to help meet
                                                environmental demands in WCA-3A
22-28   re_proport_eaa_rnff             A5,2X   Option to re-proportion simulated total agric runoff in EAA
                                                (based on recent history(1983-1990)) in determining discharge
                                                thru outlet structures
----------------------------------------------------------------------------------------------------
62.     CONVEYANCE OPTIONS FOR TRANSPORTING WATER TO LEC THRU S-7 AND S-8
        ALL OPTIONS TAKE (GRAV or PUMP)
----------------------------------------------------------------------------------------------------
1-6     eaa_conv_opt_s7                 A4,2X   Conveyance option for transporting water to LEC thru S-7
7-12    eaa_conv_opt_s8                 A4,2X   Conveyance option for transporting water to LEC thru S-8
----------------------------------------------------------------------------------------------------
63.     MODE OF OPERATION OF FLOOD CONTROL RELEASE TO WCAs FROM PROPOSED RESERVOIRS, OPTION TO USE
        DIFFERENT STAGE TARGETS FOR EAA RESERVOIR THAN FOR LOK AND OPERATE OUTLETS FOR STA34 ACCORDIGNLY
        ALL OPTIONS TAKE (GRAV or PUMP)
----------------------------------------------------------------------------------------------------
1-6     opt_outflow_from_res_to_wca     A4,2x   Mode of flood control releases to WCAs from proposed reservoirs
                                                FLDC:flood control,release water as capacity allows
                                                NEED: release water only if WCAs need water
7-9     sta34_outf_flex_eaar_opt        A3      Option to use different stage targets for EAA reservoir
                                                than for LOK and operate outlets for STA34 accordingly (Yes or NO)
----------------------------------------------------------------------------------------------------
64.     OPTIONS TO DIVERT EXCESS WATER INTO EAA RESERVOIR WHEN ENV. WATER SUPPLY DEMNDS EXIST IN WCA, AND TO
        DIVERT RUNOFF FROM EAA TO PROPOSED RESERVOIR WHEN STAGE AT TARGET LOCATIONS IN WCA ARE ABOVE TARGET
        STAGES PLUS OFFSET (TRUE or FALSE)
----------------------------------------------------------------------------------------------------
1-7     divers_excess_to_res            A5,2X   Option to divert excess water into EAA reservoir when
                                                environmental water supply demands exist in WCA
8-12    lrunoff_to_res_when_above_targ  A5      Option to divert runoff from eaa to prop reservoir when stage at
                                                target locations in WCA are ABOVE target stages plus offset
----------------------------------------------------------------------------------------------------
65.     OPTIONS TO BYPASS STA-2 FOR WATER SUPPLY FROM LOK VIA HILLSBORO CANAL TO LECSA1 AND BYPASS RUNOFF FROM
        HILLSBORO CANAL BASIN. (TRUE or FALSE)
----------------------------------------------------------------------------------------------------
1-7     opt_for_hill_bypass             A5,2X   Option to bypass STA-2 for water supply from LOK via
                                                Hillsboro Canal to LECSA1
8-14    opt_for_hill_bypass_runoff      A5,2X   Option to bypass excess runoff from HILL Canal Basin:
```

```
                                                   TRUE: bypass thru S6 into WCA-1
                                                   FALSE:bypass thru S7 into WCA-2A
----------------------------------------------------------------------------------------------------------------------
66.     ET CALIBRATION COEFFICIENTS FOR MONTHS JAN-DEC FOR UNRESTIRCTED ET COMPUTATION IN EAA.
----------------------------------------------------------------------------------------------------------------------
1-6     ADJCFF(1)                       F6.0    ET Calibration Coefficient for January
7-12    ADJCFF(2)                       F6.0    ET Calibration Coefficient for February
           *
           *
67-72   ADJCFF(12)                      F6.0    ET Calibration Coefficient for December
----------------------------------------------------------------------------------------------------------------------
67.     Maximum fraction of full saturation for soil column for months Jan Dec to be maintained.
        Any greater fraction results in runoff
----------------------------------------------------------------------------------------------------------------------
1-6     fracdph_max(1)                  F6.0    Maximum fraction of full saturation for soil column for January
7-12    fracdph_max(2)                  F6.0    Maximum fraction of full saturation for soil column for February
           *
           *
67-72   fracdph_max(12)                 F6.0    Maximum fraction of full saturation for soil column for December
----------------------------------------------------------------------------------------------------------------------
68.     Fraction of full saturation which triggers water supply releases from outside sources
----------------------------------------------------------------------------------------------------------------------
1-6     fracdph_min(1)                  F6.0    Fraction for January
7-12    fracdph_min(2)                  F6.0    Fraction for February
           *
           *
67-72   fracdph_min(12)                 F6.0    Fraction for December
----------------------------------------------------------------------------------------------------------------------
69.     MOVING AVERAGE (RUNNING MEAN) WINDOW OF LOK STAGE TO DETERMINE ITS FALL OR RISE AS A CONDITION FOR ASR
        INJECTION REGARDLESS OF DEMAND, AND MOVING AVERAGE WINDOW OF EAA RUNOFF TO DETERMINE VOLUME OF FLOOD
        CONTROL BACKPUMPING FROM EAA TO LOK.
----------------------------------------------------------------------------------------------------------------------
1-4     max_days_mean_loktasr           I4      Running mean window, in days, for LOK stages to determine whether
                                                LOK is rising or falling as a condition for ASR injection
                                                regardless of demand
5-8     max_days_mean_bkpump            I4      Number of days used in calculation of running mean of EAA runoff
                                                in determining volume of flood control backpumping from EAA to LOK
----------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------------------------------------------------------
70-76 HOLEYLAND OPTIONS
----------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------------------------------------------------------
70.     OPTIONS TO ROUTE RUNOFF FROM EAA BASINS TO HOLEYLAND
        (1=YES or 0=NO)
----------------------------------------------------------------------------------------------------------------------
1-6     NEAABSN                         I6      Number of EAA basins
7-12    NSINDX(1)                       I6      Option to route runoff from EAA basin #1
..-..   NSINDX(2)                       I6      Option to route runoff from EAA basin #2
```

```
            *
            *
..-..   NSINDX(NEAABSN)                 I6      Option to route runoff from EAA basin # NEAABSN
-----------------------------------------------------------------------------------------------------------------------
71.     MAXIMUM CAPACITY OF INFLOW PUMP INTO HOLEYLAND FROM EAA BASINS
-----------------------------------------------------------------------------------------------------------------------
1-6     PCFS(1)                         F6.0    Maximum capacity of inflow pump from EAA basins #1
..-..   PCFS(2)                         F6.0    Maximum capacity of inflow pump from EAA basins #2
          *
          *
..-..   PCFS(NEAABSN)                   F6.0    Maximum capacity of inflow pump into Holeyland from EAA basins
                                                # NEAABSN
-----------------------------------------------------------------------------------------------------------------------
72.     MAXIMUM CAPACITY OF OUTLET STRUCTURE(S)FROM HOLEYLAND FOR WATER SUPPLY
        ALL VALUES ARE SEROES BECAUSE HOLEYLAND NOT USED FOR WATER SUPPLY
-----------------------------------------------------------------------------------------------------------------------
1-6     PCFWS(1)                        F6.0    Maximum capacity of inflow pump from EAA basins #1
..-..   PCFWS(2)                        F6.0    Maximum capacity of inflow pump from EAA basins #2
          *
          *
..-..   PCFWS(NEAABSN)                  F6.0    Maximum capacity of inflow pump into Holeyland from EAA
                                                basins # NEAABSN
-----------------------------------------------------------------------------------------------------------------------
73.     CANALS RECEIVING INFLOW FROM EAA BASINS INTO HOLEYLAND
-----------------------------------------------------------------------------------------------------------------------
1-6     int_cnl_holey_name(1)           A5,1x   Name of canal receiving inflow from basin #1
..-..   int_cnl_holey_name(2)           A5,1x   Name of canal receiving inflow from basin #2
                *
                *
..-..   int_cnl_holey_name(NEAABSN)     A5,1x   Name of canal receiving inflow from basin # NEAABSN
-----------------------------------------------------------------------------------------------------------------------
74.     OPTIONS IN HOLEYLAND FOR MINIMUM LEVELS MAINTAINANCE, WATER ROUTING, AND WATER SUPPLY FROM LOK
-----------------------------------------------------------------------------------------------------------------------
1-5     holey_min_level_opt             A3,2X   Option to maintain minimum levels in Holeyland during dry periods
                                                YES or NO
6-14    runoff_to_holeyland             A7,2X   Option in routing water into Holeyland
                                                DIRECT = Inflow into Holeyland is from a direct EAA runoff
                                                INDIRCT = Inflow into Holeyland is from other sources than direct
                                                EAA runoff
15-20   ws_to_holy_opt                  A6      Option for water supply from LOK to Holeyland.
                                                BRUSHF = Maintain water level in Holeyland a foot below land
                                                surface primarily to prevent brushfires and minimize oxidation.
                                                SCHED = Main water levels in Holeyland at the inflow schedule
                                                        for restoration
-----------------------------------------------------------------------------------------------------------------------
75.     OPTIONS TO HAVE OUTFLOW FROM HOLEYLAND PUMPED INTO WCA-3A and ASSUMED TAILWATER FOR OUTLET STRUCTURES
-----------------------------------------------------------------------------------------------------------------------
1-7     holey_out_flow_pum              A5,2x   Option to have outflow from Holeyland pumped into WCA-3A
```

```
                                                (TRUE or FALSE)
8-13    hlcnlds                         F6.0    Assumed tailwater for outlet structures from Holeyland if
                                                the outflow is pumped
-----------------------------------------------------------------------------------------------------------------------
76.     OPTIONS FOR OPERATION OF OUTFLOW FROM HOLEYLAND
-----------------------------------------------------------------------------------------------------------------------
1-7     holy_oper                       A5,2X   Option for operation of outflow from Holeyland
                                                FLWTH - outflow structures open full during wet season
                                                (1990 operation)
                                                FLHSB - flashboards are in place so that outflow does not occur
                                                below certain stage
8-11    holy_outflow_opt                A4      Option to increase the capacity of the outflow structures from
                                                Holeyland
                                                PUMP = pumping -> outflow structures cpaciaty increases
                                                by lowering the tail water
                                                GRAV = gravity -> tail water is assumed to be the WCA stage
-----------------------------------------------------------------------------------------------------------------------
77.     THE FOLLOWING THREE RECORDS ARE USED TO CALCULATE THE VOLUME OF EAA RUNOFF THAT CAN POTENTIALLY LEAVE THE
        BASIN DURING A TIME STEP. THE BASINS CONSIDERED ARE MIAMI, NNR-HIL, AND WPB CANAL BASINS. THE RESULTING
        RUNOFF IS THE BASIS OF DETERMINING FLOOD CONTROL BACKPUMPING AND DISTRIBUTION OF FLOW THRU APPROPRIATE
        STRUCTURES. EACH RECORD (BASIN) CONTAINS NUMBER OF THERSHOLDS, VALUE, AND FRACTION OF SIMULATED RUNOFF
        FOR EACH THRESHOLD THIS RECORD IS READ ONLY IF THE MODEL IS NOT USED IN A CALIBRATION MODE.
-----------------------------------------------------------------------------------------------------------------------
77.1    Enteries for Miami Canal Basin
-----------------------------------------------------------------------------------------------------------------------
1-5     nthresholds(1)                  I5      Number of thresholds
6-12    runoff_thres(1,1)               F7.0    Daily runoff (cfs-day) for threshold # 1
13-17   pct_daily_runoff(1,1)           F5.2    Fraction of simulated daily runoff for threshold # 1
18-24   runoff_thres(1,2)               F7.0    Daily runoff (cfs-day) for threshold # 2
25-29   pct_daily_runoff(1,2)           F5.2    Fraction of simulated daily runoff for threshold # 2
                *
                *
                *
54-60   runoff_thres(1,nthresholds(1))  F7.0    Daily runoff (cfs-day) for threshold # nthresholds(1)
61-65   pct_daily_runoff(1,
                        nthresholds(1)) F5.2    Fraction of simulated daily runoff for threshold # nthresholds(1)
-----------------------------------------------------------------------------------------------------------------------
77.2    Enteries for NNR-HIL Canal Basin
-----------------------------------------------------------------------------------------------------------------------
1-5     nthresholds(2)                  I5      Number of thresholds
6-12    runoff_thres(2,1)               F7.0    Daily runoff (cfs-day) for threshold # 1
13-17   pct_daily_runoff(2,1)           F5.2    Fraction of simulated daily runoff for threshold # 1
18-24   runoff_thres(2,2)               F7.0    Daily runoff (cfs-day) for threshold # 2
25-29   pct_daily_runoff(2,2)           F5.2    Fraction of simulated daily runoff for threshold # 2
                *
                *
                *
54-60   runoff_thres(2,nthresholds(2))  F7.0    Daily runoff (cfs-day) for threshold # nthresholds(2)
```

```
61-65   pct_daily_runoff(2,
                        nthresholds(2)) F5.2    Fraction of simulated daily runoff for threshold # nthresholds(2)
------------------------------------------------------------------------------------------------------------------------
77.3    Enteries for WPB Canal Basin
------------------------------------------------------------------------------------------------------------------------
1-5     nthresholds(3)                  I5      Number of thresholds
6-12    runoff_thres(3,1)               F7.0    Daily runoff (cfs-day) for threshold # 1
13-17   pct_daily_runoff(3,1)           F5.2    Fraction of simulated daily runoff for threshold # 1
18-24   runoff_thres(3,2)               F7.0    Daily runoff (cfs-day) for threshold # 2
25-29   pct_daily_runoff(3,2)           F5.2    Fraction of simulated daily runoff for threshold # 2
                *
                *
                *
54-60   runoff_thres(3,nthresholds(3))  F7.0    Daily runoff (cfs-day) for threshold # nthresholds(3)
61-65   pct_daily_runoff(3,
                        nthresholds(3)) F5.2    Fraction of simulated daily runoff for threshold # nthresholds(3)
------------------------------------------------------------------------------------------------------------------------
78.     FRACTION OF TOTAL RUNOFF LEAVING MAJOR EAA BASINS THRU S3-S8, THRU S2-S7-S6, THRU S5A, THRU 298 DISTRICT
        PUMP 901 MEANS REPROPORTIONING DOES NOT APPLY TO 298 DISTRICTS.
------------------------------------------------------------------------------------------------------------------------
1-6     PCTRUNF(1)                      F6.0    Fraction of total runoff leaving EAA BASIN #1
7-12    PCTRUNF(2)                      F6.0    Fraction of total runoff leaving EAA BASIN #2
           *
           *
13-18   PCTRUNF(NEAABSN)                F6.0    Fraction of total runoff leaving EAA BASIN #NEAABSN
------------------------------------------------------------------------------------------------------------------------
79.     FRACTION OF TOTAL NNRC-HILL BASIN RUNOFF TO BE ROUTED THRU S7,S6,and S150.
------------------------------------------------------------------------------------------------------------------------
1-6     QS7FACT                         F6.0    Fraction of total NNRC-HILL basin runoff to be routed thru S7
7-12    QS6FACT                         F6.0    Fraction of total NNRC-HILL basin runoff to be routed thru S6
13-18   QS150FT                         F6.0    Fraction of total NNRC-HILL basin runoff to be routed thru S150
------------------------------------------------------------------------------------------------------------------------
80.     MULTIPLIER FOR FLOOD CONTROL BACKPUMPING THRU S3 AND THRU S2
------------------------------------------------------------------------------------------------------------------------
1-6     REDBP(1)                        F6.0    Multiplier for flood control backpumping thru S3
7-12    REDBP(2)                        F6.0    Multiplier for flood control backpumping thru S2
------------------------------------------------------------------------------------------------------------------------
81.     7-DAY RUNNING MEAN DAILY RUNOFF (CFS-DAY) THRESHOLD TRIGGERING FLOOD CONTROL BACKPUMPING FROM EAA INTO
        LOK, C1, AND C2. BACKPUMPING FROM EAA TO LOK = C1 * (mean daily runoff - threshold runoff) + C2, mean
        daily runoff > threshold runoff)
------------------------------------------------------------------------------------------------------------------------
81.1    PARAMETERS FOR BACKPUMPING CALCULATIONS AT S-3 FROM MIAMI CANAL BASIN TO LOK.
------------------------------------------------------------------------------------------------------------------------
1-6     CRRNFF(1)                       F6.0    7-day mean runoff threshold for
                                                                  backpumping at S-3 from Miami Canal Basin
7-12    COEFR(1,1)                      F6.0    C1 for calculation of backpumping at S-3 from Miami Canal Basin
13-18   COEFR(1,2)                      F6.0    C2 for calculation of backpumping at S-3 from Miami Canal Basin
------------------------------------------------------------------------------------------------------------------------
```

```
81.2    PARAMETERS FOR BACKPUMPING CALCULATIONS AT S-2 FROM  NNR-HIL CANAL BASIN TO LOK.
------------------------------------------------------------------------------------------------------------------------
1-6     CRRNFF(NBPSTR)                  F6.0    7-day mean runoff threshold for
                                                                      backpumping at S-2 from NNR-HIL Canal Basin
7-12    COEFR(NBPSTR,1)                 F6.0    C1 for calculation of backpumping at S-2 from NNR-HIL Canal Basin
13-18   COEFR(NBPSTR,2)                 F6.0    C2 for calculation of backpumping at S-2 from NNR-HIL Canal Basin
------------------------------------------------------------------------------------------------------------------------
81.3    PARAMETERS FOR BACKPUMPING CALCULATIONS AT S-2 FROM  WPB CANAL BASIN TO LOK.
------------------------------------------------------------------------------------------------------------------------
 UNLESS OTHERWISE STATED, EAA BASINS ARE NAMED AS FOLLOWS:
 BASIN #1: MIAMI CANAL BASIN
 BASIN #2: NNR-HILL CANAL BASIN
 BASIN #3: WEST PALM BEACH CANAL BASIN
 BASIN #4: 298 DISTRICTS
------------------------------------------------------------------------------------------------------------------------
 NOTE : OPTIONS FOR PROPOSED RESERVOIRS HERE INVOLVES
  RESERVOIRS OTHER THAN STAs. ROUTING OF INFLOWS
  INTO STAs ARE HANDLED SEPARATELY.
------------------------------------------------------------------------------------------------------------------------
82.     RECORD READ ONLY IF HOLEYLAND RECEIVES DIRECT RUNOFF FROM EAA BASINS (i.e., record 74, second
        entry = 'DIRECT') 298-District is not a contributer hence ires_pump(neaabsn) is not read.
------------------------------------------------------------------------------------------------------------------------
1-5     ires_pump(1)                    i5      Option to route runoff to proposed reservoir for Basin #1
6-10    ires_pump(2)                    i5      Option to route runoff to proposed reservoir for Basin #2
                *
                *
11-15   ires_pump(neaabsn-1)            i5      Option to route runoff to proposed reservoir for Basin #neaabsn-1
------------------------------------------------------------------------------------------------------------------------
83.     OPTION TO ROUTE RUNOFF TO PROPOSED RESERVOIR (OTHER THAN STAs) FOR EAA BASINS AND L-8 BASIN
        NNR CANAL BASIN (second Entry) and HILLSBORO CANAL BASIN (last entry) are treated separately.
        0 = NO RESERVOIR OTHER THAN STAs        1= ROUTE RUNOFF TO RESERVOIR OTHER THAN STAs
------------------------------------------------------------------------------------------------------------------------
1-3     ires_opt_eaa(1)                 i3      Option to route runoff for MIAMI CANAL BASIN
4-6     ires_opt_eaa(2)                 i3      Option to route runoff for NNR (only) CANAL BASIN
7-9     ires_opt_eaa(3)                 i3      Option to route runoff for WEST PALM BEACH CANAL BASIN
10-12   ires_opt_eaa(4)                 i3      Option to route runoff for 298 DISTRICTS
13-15   ires_opt_eaa(5)                 i3      Option to route runoff for L-8 BASIN
16-18   ires_opt_hill                   i3      Option to route runoff for HILLSBORO BSAIN
------------------------------------------------------------------------------------------------------------------------
84.     OPTION TO HAVE RUNOFF INJECTED INTO ASR WELLS:  0 = NO ASR WELLS                1 = HAVE ASR WELLS
------------------------------------------------------------------------------------------------------------------------
1-3     iasr_opt_eaa(1)                 i3      Option to have runoff injected for BASIN #1
4-6     iasr_opt_eaa(2)                 i3      Option to have runoff injected for BASIN #2 NNR-HIL, if this
                                                option is1, entry #2 and/or entry ires_opt_hill of the previous
                                                record must be 1.
                *
                *
..-..   iasr_opt_eaa(neaabsn)           i3      Option to have runoff injected for BASIN #neaabsn
```

```
--------------------------------------------------------------------------------------------------------------------
85.     FRACTION OF RUNOFF AVAILABLE FOR INJECTION TO RES/ASR SYSTEM.
        ONLY APPLIES IF ASR OPTION ABOVE IS 1 (HAVE ASR WELLS), OTHERWISE ALL FRACTIONS ARE 1.0
--------------------------------------------------------------------------------------------------------------------
1-5     frac_runoff_asr(1)              F5.2    Fraction for runoff for Basin #1
6-10    frac_runoff_asr(2)              F5.2    Fraction for runoff for Basin #2
                *
                *
..-..   frac_runoff_asr(neaabsn)        F5.2    Fraction for runoff for Basin #neaabsn
--------------------------------------------------------------------------------------------------------------------
86.     FRACTION OF WATER IN ASR WELLS (BUBBLE) AVAILABLE TO MEET DEMANDS IN EAA BASINS 1-4.
        THIS GIVES THE USER THE OPTION TO PRPOPORTION THE AVAILABLE WATER IN ASR WELLS IF WELLS ARE USED
        TO MEED MORE THAN ONE BASIN'S DEMAND.
--------------------------------------------------------------------------------------------------------------------
1-5     frac_avail_asr_to_meet_dmnd(1)  F5.2    Fraction for ASR wells available water to meet demand in Basin #1
6-10    frac_avail_asr_to_meet_dmnd(2)  F5.2    Fraction for ASR wells available water to meet demand in Basin #2
                *
                *
11-15   frac_avail_asr_to_
        meet_dmnd(neaabsn)              F5.2    Fraction for ASR wells available water to meet demand in Basin
                                                #neaabsn
--------------------------------------------------------------------------------------------------------------------
87.     NAME OF RESERVOIR TO WHICH RUNOFF IS DIVERTED FOR EAA BASINS 1-4. IF NO RESERVOIR, INPUT NORES.
--------------------------------------------------------------------------------------------------------------------
1-7     ieaa_res_asr_name(1)            A6,1X   Reservoir receiving runoff from EAA basin # 1
7-16    ieaa_res_asr_name(2)            A6,1X   Reservoir receiving runoff from EAA basin # 2
                *
                *
..-..   ieaa_res_asr_name(neaabsn+1)    A6,1X   Reservoir receiving runoff from EAA basin # neaabsn+1
--------------------------------------------------------------------------------------------------------------------
88.     INFORMATION ABOUT RESERVOIRS RECEIVING EXCESS WATER FROM LOK
        NUMBER, NAMES, AND WHETHER OR NOT FORECASTING IS USED TO ROUTE THE EXCESS WATER TO RESERVOIR.
--------------------------------------------------------------------------------------------------------------------
88.1    MIAMI CANAL BASIN
--------------------------------------------------------------------------------------------------------------------
1-5     no_of_res_reg_frm_lok(1)        I3,2x   Number of reservoirs receiving excess water from LOK
6-13    ieaa_res_asr_reg_name(1,1)      A6,2x   Name of reservoir # 1
14-20   opt_for_reg_rel_to_res(1,1)     A5,2x   Option to include forecasting in decision to route excess
                                                water to reservoir      FOREC = YES            STATE = NO
21-28   ieaa_res_asr_reg_name(1,2)      A6,2x   Name of reservoir #2
29-35   opt_for_reg_rel_to_res(1,2)     A5,2x   Option to include forecasting in decision to route excess
                                                water to reservoir      FOREC = YES            STATE = NO
36-43   ieaa_res_asr_reg_name(1,
        no_of_res_reg_frm_lok(1))       A6,2x   Name of reservoir #no_of_res_reg_frm_lok(1)
44-50   opt_for_reg_rel_to_res(1,
        no_of_res_reg_frm_lok(1))       A5,2x   Option to include forecasting in decision to route excess
                                                water to reservoir
--------------------------------------------------------------------------------------------------------------------
```

88.2 NNR CANAL BASIN

1-5	no_of_res_reg_frm_lok(2)	I3,2x	Number of reservoirs receiving excess water from LOK
6-13	ieaa_res_asr_reg_name(2,1)	A6,2x	Name of reservoir # 1
14-20	opt_for_reg_rel_to_res(2,1)	A5,2x	Option to include forecasting in decision to route excess water to reservoir FOREC = YES STATE = NO
21-28	ieaa_res_asr_reg_name(2,2)	A6,2x	Name of reservoir #2
29-35	opt_for_reg_rel_to_res(2,2)	A5,2x	Option to include forecasting in decision to route excess water to reservoir FOREC = YES STATE = NO
36-43	ieaa_res_asr_reg_name(2, no_of_res_reg_frm_lok(2))	A6,2x	Name of reservoir #no_of_res_reg_frm_lok(2)
44-50	opt_for_reg_rel_to_res(2, no_of_res_reg_frm_lok(2))	A5,2x	Option to include forecasting in decision to route excess water to reservoir FOREC = YES STATE = NO

88.3 WPB CANAL BASIN

1-5	no_of_res_reg_frm_lok(3)	I3,2x	Number of reservoirs receiving excess water from LOK
6-13	ieaa_res_asr_reg_name(3,1)	A6,2x	Name of reservoir # 1
14-20	opt_for_reg_rel_to_res(3,1)	A5,2x	Option to include forecasting in decision to route excess water to reservoir FOREC = YES STATE = NO
21-28	ieaa_res_asr_reg_name(3,2)	A6,2x	Name of reservoir #2
29-35	opt_for_reg_rel_to_res(3,2)	A5,2x	Option to include forecasting in decision to route excess FOREC = YES STATE = NO
36-43	ieaa_res_asr_reg_name(3, no_of_res_reg_frm_lok(3))	A6,2x	Name of reservoir #no_of_res_reg_frm_lok(3)
44-50	opt_for_reg_rel_to_res(3, no_of_res_reg_frm_lok(3))	A5,2x	Option to include forecasting in decision to route excess FOREC = YES STATE = NO

88.4 HILLSBORO CANAL BASIN

1-5	no_of_res_reg_frm_lok(4)	I3,2x	Number of reservoirs receiving excess water from LOK
6-13	ieaa_res_asr_reg_name(4,1)	A6,2x	Name of reservoir # 1
14-20	opt_for_reg_rel_to_res(4,1)	A5,2x	Option to include forecasting in decision to route excess water to reservoir FOREC = YES STATE = NO
21-28	ieaa_res_asr_reg_name(4,2)	A6,2x	Name of reservoir #2
29-35	opt_for_reg_rel_to_res(4,2)	A5,2x	Option to include forecasting in decision to route excess water to reservoir FOREC = YES STATE = NO
36-43	ieaa_res_asr_reg_name(4, no_of_res_reg_frm_lok(4))	A6,2x	Name of reservoir #no_of_res_reg_frm_lok(4)
44-50	opt_for_reg_rel_to_res(4, no_of_res_reg_frm_lok(4))	A5,2x	Option to include forecasting in decision to route excess water to reservoir FOREC = YES STATE = NO

88.5 L-8 CANAL BASIN (neaabsn+1)

1-5	no_of_res_reg_frm_lok(4)	I3,2x	Number of reservoirs receiving excess water from LOK

```
6-13    ieaa_res_asr_reg_name(4,1)      A6,2x   Name of reservoir # 1
14-20   opt_for_reg_rel_to_res(4,1)     A5,2x   Option to include forecasting in decision to route excess
                                                water to reservoir      FOREC = YES             STATE = NO
21-28   ieaa_res_asr_reg_name(4,2)      A6,2x   Name of reservoir #2
29-35   opt_for_reg_rel_to_res(4,2)     A5,2x   Option to include forecasting in decision to route excess
                                                water to reservoir      FOREC = YES             STATE = NO
36-43   ieaa_res_asr_reg_name(4,
        no_of_res_reg_frm_lok(4))       A6,2x   Name of reservoir #no_of_res_reg_frm_lok(4)
44-50   opt_for_reg_rel_to_res(4,
        no_of_res_reg_frm_lok(4))       A5,2x   Option to include forecasting in decision to route excess
                                                water to reservoir      FOREC = YES             STATE = NO
------------------------------------------------------------------------------------------------------------------------
89.     MAXIMUM TAILWATER STAGE FOR S-354,S351,S-352, AND 298 DISTRICTS
        (if not used enter -901)
------------------------------------------------------------------------------------------------------------------------
1-6     RMAXSTG(1)                      F6.2    Maximum tailwater for S-354 (Basin #1)
7-12    RMAXSTG(2)                      F6.2    Maximum tailwater for S-351 (Basin #2)
13-18   RMAXSTG(3)                      F6.2    Maximum tailwater for S-352 (Basin #3)
           *
           *
..-..   MAXSTG(NEAABSN)                 F6.2    Maximum tailwater for 298 districts pump(not used)
------------------------------------------------------------------------------------------------------------------------
90.     ACREAGE OF CURRENT IRRIGATION
        298 Districts is not of interest HERE.
------------------------------------------------------------------------------------------------------------------------
1-10    base_area_eaa_basin(1)          F10.0   Acreage of irrigation for Basin #1
10-20   base_area_eaa_basin(2)          F10.0   Acreage of irrigation for Basin #1
                *
                *
..-..   base_area_eaa_basin(neaabsn-1)  F10.0   Acreage of irrigation for Basin #neaabsn-1
------------------------------------------------------------------------------------------------------------------------
91.     EAA STRUCTURE NAMES NEEDED TO GENERATE STRUCTURE INDICES NEEDED FOR 'LAKEWCA' SUBROUTINE
        STRUCTURE INDICES ARE GENERATED FOR EACH BASIN IN A LOOP OF 'neaabsn" BASINS
------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------
91.1    BASIN #1 (MIAMI CANAL BASIN)
------------------------------------------------------------------------------------------------------------------------
1-7     n_eaa_str(1)                    i5,2X   Number of structures for Basin #1
8-14    eaa_str_name(1)                 A6,1X   Structure Name # 1 for Basin #1
15-21   eaa_str_name(2)                 A6,1X   Structure Name # 2 for Basin #1
                *
                *
..-..   eaa_str_name(n_eaa_str(1))      A6,1X   Structure Name # n_eaa_str(1) for Basin #1
------------------------------------------------------------------------------------------------------------------------
91.2    BASIN #2 (NNR-HIL Canal Basin)
------------------------------------------------------------------------------------------------------------------------
1-7     n_eaa_str(2)                    i5,2X   Number of structures for Basin #2
8-14    eaa_str_name(1)                 A6,1X   Structure Name # 1 for Basin #2
```

```
15-21   eaa_str_name(2)                A6,1X   Structure Name # 2 for Basin #2
                *
                *
..-..   eaa_str_name(n_eaa_str(2))     A6,1X   Structure Name # n_eaa_str(2) for Basin #2
-----------------------------------------------------------------------------------------------------------------------
91.3    BASIN #3 (WPB Canal Basin)
-----------------------------------------------------------------------------------------------------------------------
1-7     n_eaa_str(3)                   i5,2X   Number of structures for Basin #3
8-14    eaa_str_name(1)                A6,1X   Structure Name # 1 for Basin #3
15-21   eaa_str_name(2)                A6,1X   Structure Name # 2 for Basin #3
                *
                *
..-..   eaa_str_name(n_eaa_str(3))     A6,1X   Structure Name # n_eaa_str(3) for Basin #3
-----------------------------------------------------------------------------------------------------------------------
91.4    BASIN #neaabsn ("298" DISTRICTS)
-----------------------------------------------------------------------------------------------------------------------
1-7     n_eaa_str(neaabsn)             i5,2X   Number of structures for Basin #neaabsn
8-14    eaa_str_name(1)                A6,1X   Structure Name # 1 for Basin #neaabsn
15-21   eaa_str_name(2)                A6,1X   Structure Name # 2 for Basin #neaabsn
                *
                *
..-..   eaa_str_name(n_eaa_str
                    (neaabsn))         A6,1X   Structure Name # n_eaa_str(neaabsn) for Basin #neaabsn
-----------------------------------------------------------------------------------------------------------------------
92.     NUMBER AND NAMES OF CANAL REACHES IN L8 BASINS
-----------------------------------------------------------------------------------------------------------------------
1-7     no_canal_in_l8_basin           I5,2X   Number of canal reaches
8-13    l8basin_canal_name(1)          I5,1X   Name of reach # 1
14-19   l8basin_canal_name(2)          I5,1X   Name of reach # 2
                *
                *
..-..   l8basin_canal_name(
        no_canal_in_l8_basin)          I5,1X   Name of reach # no_canal_in_l8_basin
-----------------------------------------------------------------------------------------------------------------------
93.     NAME OF WATER CONSERVATION AREA AND INTERIOR CONVEYANCE CANAL DOWNSTREAM OF L8 BASIN
-----------------------------------------------------------------------------------------------------------------------
1-7     idn_wca_name_l                 A5,2X   Downstream WCA name
8-14    ds_int_canal_name_l8           A5,2X   Downstream interior conveyance canal name in WCA
-----------------------------------------------------------------------------------------------------------------------
94.     MINIMUM STAGE IN L8 FOR DRY, WET SEASONS AND MAXIMUM STAGE IN WPBCAT ALLOWED FOR INFLOW FROM M-CNL i
-----------------------------------------------------------------------------------------------------------------------
1-6     rmin_l8stg_flow_to_mcnl(1)     F6.1    Minimum stage in L8 for pumping into M-CNL during dry season
7-12    rmin_l8stg_flow_to_mcnl(2)     F6.1    Minimum stage in L8 for pumping into M-CNL during wet season
13-18   rmax_wpbcat_for_inflw          F6.1    Maximum stage in WPBCAT allowed for inflow from M-CNL
-----------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------
        THE FOLLOWING INFORMATION PERTAINS TO EAA CONVEYANCE CANALS. INDICES AND CANAL NAMES AS FOLLOWS:
        Canal #1 - Miami Canal
```

```
        Canal #2 - North New River Canal
        Canal #3 - WPB Canal
        Canal #4 - Hillsboro Canal
-----------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------
95.     MULTIPLIER FOR EAA CANAL HYDRAULIC CONVEYANCE FOR CANALS #1-4
-----------------------------------------------------------------------------------------------------------------------
..-..   RCPFACTEAA_canal(1)             Free    EAA canal hydraulic conveyance Multiplier for canal #1
..-..   RCPFACTEAA_canal(2)             Free    EAA canal hydraulic conveyance Multiplier for canal #2
             *
             *
..-..   RCPFACTEAA_canal(NEAACNL)       Free    EAA canal hydraulic conveyance Multiplier for canal #NEAACNL
-----------------------------------------------------------------------------------------------------------------------
96.     MULTIPLIER FOR EAA STRUCTURE/CANAL DESIGN CONVEYANCE FOR CANALS #1-4
-----------------------------------------------------------------------------------------------------------------------
..-..   RCPFACTEAA(1)                   Free    EAA structure/canal design conveyance Multiplier for canal #1
..-..   RCPFACTEAA(2)                   Free    EAA structure/canal design conveyance Multiplier for canal #2
             *
             *
..-..   RCPFACTEAA(NEAACNL)             Free    EAA structure/canal design conveyance Multiplier for canal #NEAACNL
-----------------------------------------------------------------------------------------------------------------------
97.     MULTIPLIER FOR DIVERSION OF EXCESS LOK WATER TO PROPOSED RESERVOIRS IN EAA VIA CANALS #1-4
-----------------------------------------------------------------------------------------------------------------------
..-..   rcpfacteaa_res(1)               Free    Multiplier for canal #1
..-..   rcpfacteaa_res(2)               Free    Multiplier for canal #2
             *
             *
..-..   rcpfacteaa_res(NEAACNL)         Free    Multiplier for canal #NEAACNL
-----------------------------------------------------------------------------------------------------------------------
98.     FRACTION OF TOTAL VOLUME OF WATER AVAILABLE "OF THE TOP" TO MEET LEC DEMANDS
        TO BE MET VIA CONVEYANCE CANALS #1-4
-----------------------------------------------------------------------------------------------------------------------
..-..   frac_lec(1)                     Free    Fraction for canal #1
..-..   frac_lec(2)                     Free    Fraction for canal #2
             *
             *
..-..   frac_lec(NEAACNL)               Free    Fraction for canal #NEAACNL
-----------------------------------------------------------------------------------------------------------------------
99.     FRACTION OF REMAINING CONVEYANCE CAPACITY USED TO MEET EVERGLADES' NEEDS
-----------------------------------------------------------------------------------------------------------------------
..-..   frac_rem_capac(1)               Free    Fraction for canal #1
..-..   frac_rem_capac(2)               Free    Fraction for canal #2
             *
             *
..-..   frac_rem_capac(NEAACNL)         Free    Fraction for canal #NEAACNL
-----------------------------------------------------------------------------------------------------------------------
100.    NAMES OF EAA CONVEYANCE CANALS
-----------------------------------------------------------------------------------------------------------------------
```

```
1-7      eaa_conv_canal_names(1)         A5-2X   EAA Conveyance Canal name #1
8-14     eaa_conv_canal_names(2)         A5-2X   EAA Conveyance Canal name #2
              *
              *
..-..    eaa_conv_canal_names(NEAACNL)   A5-2X   EAA Conveyance Canal name #NEAACNL
------------------------------------------------------------------------------------------------------------------------
101.     NAME OF DOWNSTREAM WATER CONSERVATION AREA FOR EAA CONVEYANCE CANALS #1-4 AND S150 FOR LEC WATER SUPPLY
------------------------------------------------------------------------------------------------------------------------
1-7      idn_wca_name(1)                 A5-2X   DOWNSTREAM WCA for EAA Conevyance Canal #1
8-14     idn_wca_name(2)                 A5-2X   DOWNSTREAM WCA for EAA Conveyance Canal #2
                 *
                 *
..-..    idn_wca_name(NEAACNL)           A5-2X   DOWNSTREAM WCA for EAA Conveyance Canal #NEAACNL
..-..    idn_wca_name(NEAACNL+1)         A5-2X   DOWNSTREAM WCA for S150
------------------------------------------------------------------------------------------------------------------------
102.     NAME OF DOWNSTREAM WATER CONSERVATION AREA FOR EAA CONVEYANCE CANALS #1-4 FOR ENVIRONMENTAL WATER SUPPLY
------------------------------------------------------------------------------------------------------------------------
1-7      idn_wca_name_env(1)             A5-2X   DOWNSTREAM WCA for EAA Conveyance Canal #1
8-14     idn_wca_name_env(2)             A5-2X   DOWNSTREAM WCA for EAA Conveyance Canal #2
                 *
                 *
..-..    idn_wca_name_env(NEAACNL)       A5-2X   DOWNSTREAM WCA for EAA Conveyance Canal #NEAACNL
------------------------------------------------------------------------------------------------------------------------
103.     NAMES OF DOWNSTREAM WCA's CONVEYANCE CANALS FOR EAA CANALS #1-4 AND S150
------------------------------------------------------------------------------------------------------------------------
1-7      ds_convey_c_name(1)             A5-2X   DOWNSTREAM WCA Conveyance Canal for EAA Conveyance Canal #1
8-14     ds_convey_c_name(2)             A5-2X   DOWNSTREAM WCA Conveyance Canal for EAA Conveyance Canal #2
                 *
                 *
..-..    ds_convey_c_name(NEAACNL)       A5-2X   DOWNSTREAM WCA Conveyance Canal for EAA Conveyance Canal #NEAACNL
..-..    ds_convey_c_name(NEAACNL+1)     A5-2X   DOWNSTREAM WCA Conveyance Canal for S150
------------------------------------------------------------------------------------------------------------------------
104.     OPTION TO ROUTE LOK WATER SUPPLY RELEASES VIA CONCEPTUAL PIPELINE FOR EAA CANALS #1-4 AND S150
------------------------------------------------------------------------------------------------------------------------
1-8      opt_pipeline_ws(1)              A7-1X   Option to route LOK W.S. via conceptual pipeline for EAA canal #1.
9-18     opt_pipeline_ws(2)              A7-1X   Option to route LOK W.S. via conceptual pipeline for EAA canal #2
                 *
                 *
..-..    opt_pipeline_ws(NEAACNL)        A7-1X   Option to route LOK W.S. via conceptual pipeline for EAA Canal
                                                 #NEAACNL
..-..    opt_pipeline_ws(NEAACNL+1)      A7-1X   Option to route LOK W.S. via conceptual pipeline for S150
------------------------------------------------------------------------------------------------------------------------
105.     CANAL "MAXIMUM" DESIGN CAPACITIES (CFS)
------------------------------------------------------------------------------------------------------------------------
..-..    CNLCAP(1)                       Free    Design Capacities for EAA Canal # 1
..-..    CNLCAP(2)                       Free    Design Capacities for EAA Canal # 2
                 *
                 *
```

```
..-..   CNLCAP(NEAACNL)                 Free    Design Capacities for EAA Canal # NEAACNL
----------------------------------------------------------------------------------------------------------------------
106.    CANAL DESIGN CAPACITIES (CFS) FOR W.S. PURPOSES
----------------------------------------------------------------------------------------------------------------------
..-..   desgn_cap_canl_ws(1)            Free    Design Capacities for EAA Canal # 1
..-..   desgn_cap_canl_ws(2)            Free    Design Capacities for EAA Canal # 2
                *
                *
..-..   desgn_cap_canl_ws(NEAACNL)      Free    Design Capacities for EAA Canal # NEAACNL
----------------------------------------------------------------------------------------------------------------------
107.    OPTION TO USE CANAL CONVEYANCE CAPACITY #1-4 FOR INJECTION OF LOK WATER INTO PROPOSED
        RESERVOIR (OTHER THAN STAs) in EAA
        1 - Yes (CANAL CONVEYANCE WILL BE ONE OF CONSTRAINTS)           0 - NO
----------------------------------------------------------------------------------------------------------------------
..-..   iconv_use_inj(1)                Free    Option for Canal #1
..-..   iconv_use_inj(2)                Free    Option for Canal #2
                *
                *
..-..   iconv_use_inj(NEAACNL)          Free    Option for Canal # NEAACNL
----------------------------------------------------------------------------------------------------------------------
108.1   FRACTION OF DESIGN CAPACITIES OF CONVEYANCE CANALS #1-4 AVAILABLE FOR FLOOD CONTROL
        RELEASES FROM LOK DURING DRY SEASON (NOV.-MAY)
----------------------------------------------------------------------------------------------------------------------
..-..   pct_des(1,1)                    Free    Fraction of design capacity for Canal #1
..-..   pct_des(2,1)                    Free    Fraction of design capacity for Canal #2
            *
            *
..-..   pct_des(NEAACNL,1)              Free    Fraction of design capacity for Canal #NEAACNL
----------------------------------------------------------------------------------------------------------------------
108.2   FRACTION OF DESIGN CAPACITIES OF CONVEYANCE CANALS #1-4 AVAILABLE FOR FLOOD CONTROL
        RELEASES FROM LOK DURING WET SEASON (JUN.-OCT.)
----------------------------------------------------------------------------------------------------------------------
..-..   pct_des(1,2)                    Free    Fraction of design capacity for Canal #1
..-..   pct_des(2,2)                    Free    Fraction of design capacity for Canal #2
            *
            *
..-..   pct_des(NEAACNL,2)              Free    Fraction of design capacity for Canal #NEAACNL
----------------------------------------------------------------------------------------------------------------------
109.    PUMP INTAKE LEVELS (FT. NGVD) FOR S8, S7, S5A, AND S6
----------------------------------------------------------------------------------------------------------------------
1-6     pmp_int(1)                      Free    Pump intake levels(ft. NGVD) for S8
7-12    pmp_int(2)                      Free    Pump intake levels(ft. NGVD) for S7
13-18   pmp_int(3)                      Free    Pump intake levels(ft. NGVD) for S5A
19-24   pmp_int(4)                      Free    Pump intake levels(ft. NGVD) for S6
----------------------------------------------------------------------------------------------------------------------
 110.   PUMP INTAKE LEVELS (FT. NGVD) FOR NEW S8, S7, S5A, AND S6, IF NO NEW PUMP IS PROPOSED, ENTER -901
----------------------------------------------------------------------------------------------------------------------
1-6     pmp_int_new(1)                  Free    New Pump intake levels(ft. NGVD) for S8
```

```
7-12    pmp_int_new(2)                  Free    New Pump intake levels(ft. NGVD) for S7
13-18   pmp_int_new(3)                  Free    New Pump intake levels(ft. NGVD) for S5A
19-24   pmp_int_new(4)                  Free    New Pump intake levels(ft. NGVD) for S6
---------------------------------------------------------------------------------------------------------------------
111. NAME OF SERVICE AREAS RECEIVING WATER SUPPLY FROM LOK VIA EAA CANALS 1 THROUGH 4
---------------------------------------------------------------------------------------------------------------------
1-..    iserv_area(1)                   Free    LEC Service Area receiving Water Supply from LOK via EAA canal #1
..-..   iserv_area(2)                   Free    LEC Service Area receiving Water Supply from LOK via EAA canal #2
..-..   iserv_area(3)                   Free    LEC Service Area receiving Water Supply from LOK via EAA canal #3
..-..   iserv_area(4)                   Free    LEC Service Area receiving Water Supply from LOK via EAA canal #4
---------------------------------------------------------------------------------------------------------------------
112. NUMBER AND NAMES OF TARGET AREAS FOR ENVIORNMNETAL WATER SUPPLY DELIVERIES FROM LOK TO
     WATER CONSERVATION AREAS VIA EAA CANALS (A record for each canal)
---------------------------------------------------------------------------------------------------------------------
112.1   NUMBER AND NAME OF TARGET AREAS FOR ENVIRONMENTAL WS FROM LOK TO WCA-3A VIA MIAMI CANAL.
---------------------------------------------------------------------------------------------------------------------
1-8     no_targ_loc(1)                  I6, 2X  Number of target areas receiving Env. WS via Canal #1 (Miami Canal)
7-15    targ_area_name(1)               A5, 2X  Name of first target in WCA-3A
16-22   targ_area_name(2)               A5, 2X  Name of second target in WCA-3A
                *
                *
..-..   targ_area_name(no_targ_loc(1))  A5, 2X  Name of last target in WCA-3A
---------------------------------------------------------------------------------------------------------------------
112.2   NUMBER AND NAME OF TARGET AREAS FOR ENV. WS FROM LOK TO WCA-2A VIA NNR CANAL (IF STA3/4 IS NOT OPERATIONAL).
        NUMBER AND NAME OF TARGET AREAS FOR ENV. WS FROM LOK TO WCA-3A VIA NNR CANAL (IF STA3/4 IS OPERATIONAL).
---------------------------------------------------------------------------------------------------------------------
1-8     no_targ_loc(2)                  I6, 2X  Number of target areas receiving Env. WS via Canal #2 (NNR Canal)
7-15    targ_area_name(1)               A5, 2X  Name of first target in WCA-3A
16-22   targ_area_name(2)               A5, 2X  Name of second target in WCA-3A
                *
                *
..-..   targ_area_name(no_targ_loc(2))  A5, 2X  Name of last target in WCA-3A
---------------------------------------------------------------------------------------------------------------------
112.3   NUMBER AND NAME OF TARGET AREAS FOR ENVIRONMENTAL WS FROM LOK TO WCA-1 VIA WPB CANAL.
---------------------------------------------------------------------------------------------------------------------
1-8     no_targ_loc(3)                  I6, 2X  Number of target areas receiving Env. WS via Canal #3 (WPB Canal)
7-15    targ_area_name(1)               A5, 2X  Name of first target in WCA-1
16-22   targ_area_name(2)               A5, 2X  Name of second target in WCA-1
                *
                *
..-..    targ_area_name(no_targ_loc(3)) A5, 2X  Name of last target in WCA-1
---------------------------------------------------------------------------------------------------------------------
112.4   NUMBER AND NAME OF TARGET AREAS FOR ENV. WS FROM LOK TO WCA-1 VIA HILL CANAL (IF STA-2 IS NOT OPERATIONAL).
        NUMBER AND NAME OF TARGET AREAS FOR ENV. WS FROM LOK TO WCA-2A VIA HILL CANAL (IF STA-2 IS OPERATIONAL).
---------------------------------------------------------------------------------------------------------------------
1-8     no_targ_loc(4)                  I6, 2X  Number of target areas receiving Env. WS via Canal #4 (HILL Canal)
7-15    targ_area_name(1)               A5, 2X  Name of first target in WCA-2A
16-22   targ_area_name(2)               A5, 2X  Name of second target in WCA-2A
```

```
                *
                *
..-..   targ_area_name(no_targ_loc(4))  A5, 2X  Name of last target in WCA-2A
------------------------------------------------------------------------------------------------------------------------
113.    STRUCTURE CAPACITIES NEEDED FOR CONVEYANCE CALCULATIONS AND STRUCTURE FLOW COMPUTED IN LAKEWCA SUBROUTINE
------------------------------------------------------------------------------------------------------------------------
..-..   S3MAX                           Free    Design Capacity for S3
..-..   S2MAX                           Free    Design Capacity for S2
..-..   S5A4MAX                         Free    Design Capacity for S5AE
..-..   RL8AGRFCAP                      Free    Design Capacity for L8 Agric. runoff into L-8
..-..   RMCAGRFCAP                      Free    Agric runoff from M-CNL basin into M-Canal
..-..   capac_sugh                      Free    Runoff from US Sugar Ranch into STA-6
..-..   capc_new_pump_to_west_frm_roten Free    Design Capacity for G-404
..-..   capacs5as                       Free    Design Capacity for S-5AS
..-..   facts2mc                        Free    Multiplier for Struct. Capacity of pump from L-8 Canal to M-Canal
                                                serving the needs along along M-Canal,Lake Mangonia, and WPB
                                                Catchment area.
..-..   frac_sem_cyp                    Free    Mutiplier for Seminole Indians' demands in Big Cypress area
..-..   capac_mcnl                      Free    Design capacity of M-Canal
..-..   frac_thru_s8_sta34              Free    Fraction of outflow from STA34 to S8 is to be diverted thru G404
..-..   frac_c139basin_sta5             Free    Fraction of C139 basin runoff going to STA5
..-..   frac_c139basin_sta6             Free    Fraction of C139 basin runoff going to STA6
..-..   ic139_rnff_fix_split_opt        Free    Option to use fixed fractions of C139 runoff to STA5 and STA6
                                                (1- yes,0 - no)
------------------------------------------------------------------------------------------------------------------------
114.    CAPACITY FOR WATER SUPPLY TO ACME TO WCA1 AND OF C10A FOR BACKFLOW
------------------------------------------------------------------------------------------------------------------------
..-..   capacpsac_ws                    Free    Capacity(cfs) for water supply to ACME basin from WCA1
..-..   capacc10a_bak                   Free    Capacity(cfs) of C10A for backflow
------------------------------------------------------------------------------------------------------------------------
115-119 GENERAL PARAMETERS FOR WATER CONSERVATION AREAS.
        (More Specific Parameters that vary with WCA are input in caoflpts)
------------------------------------------------------------------------------------------------------------------------
115.    IDENTIFICATION OF FLOW TYPE to ENP
------------------------------------------------------------------------------------------------------------------------
1-7     type_flow_across_ttrail         A7      Identification of type of flow thru S-12, S-333, and the proposed
                                                S-355,if applicable, to ENP
                                                RFPLAN - current experimental rainfall formula,
                                                NSMFLOW - flow to meet NSM flow targets,
                                                STAGETG - flow to meet stage targets, or
                                                MINDEL - flow to meet minimum delivery schedule).
------------------------------------------------------------------------------------------------------------------------
116.    IDENTIFICATION OF ENP FLOW TARGET
------------------------------------------------------------------------------------------------------------------------
1-5     type_target                     A5      Identification of ENP flow target (TOTAL:total flow target is input;
                                                fraction to be met by each structure is input,or SPLIT: the flow
                                                targets for western ENP (met by S-12s) and eastern ENP(met by S-355
                                                and S-333) are input separately.
```

117. OPTION FOR ENVIRONMENTAL TARGETS AND OUTFLOWS

1-7	bcnpenv	A5, 2X	Option for meeting environmental targets in Big Cypress Basin (TRUE or FALSE)
8-14	s343sparrow_opt	A5, 2X	Option for S343 outflow to be zero Jan-June as means of helping Sparrow (TRUE or FALSE)
15-21	s344sparrow_opt	A5, 2X	Option for S344 outflow to be zero Jan-June as means of helping Sparrow (TRUE or FALSE)
22-28	s332sparrow_opt	A5, 2X	Option for S332 to reduce capacity during sparrow nesting season
29-32	type_s355	A4	Type of flow desired for S-355(PUMP or GRAV)

118. OPTION FOR THE USE OF MINIMUM FLOWS AND LEVELS CRITERIOA

1-5	floor_grid_cell_opt	A5	Option for use of criteria for mininmum flows and levels for Water Conservation Areas CANAL - conveyance canal stages only used as criteria MARSH - selected Marsh stage locations and Canal stages are used as criteria

119.

1-5	icnl_dn_s31_name	A5	Name of canal receiving outflow thru S-31 from WCA-3B

120-122 DATA PERTAINING TO EVERGLADES NATIONAL PARK (ENP)

120.	main_pres_level_fl_prot_ts	Free	Option to maintain present level of flood protection when rainfall plan is implemented (TRUE or FALSE)
121.	use_enp_ws_to_lec	Free	Option to use S-333 and S-334 to supply water to coastal Dade County (TRUE or FALSE)
122.	opt_flow_to_ts	Free	Identification of type of flow to Taylor Slough TSMINDL - flow to meet minimum delivery schedule TSRFPLN - flow to meet targets according to rainfall plan

123. CANALS ALLOWED, FOR WATER SUPPLY PURPOSES, TO DELIVER AT STAGE BELOW DESIRED MINIMUM

..-..	NCNL_WS_MIN	Free	Number of canals allowed
	NCL_WS_NAME(1)	Free	Name of canal # 1 allowed
	NDS_CNL_WS_NAME(1)	Free	Name of canal immediately downstream to canal # 1 allowed
	NCL_WS_NAME(2)	Free	Name of canal # 2 allowed
	NDS_CNL_WS_NAME(2)	Free	Name of canal immediately downstream to canal # 2 allowed
	*		
	*		
	NCL_WS_NAME(NCNL_WS_MIN)	Free	Name of canal # NCNL_WS_MIN allowed
	NDS_CNL_WS_NAME(NCNL_WS_MIN)	Free	Name of canal immediately downstream to canal # NCNL_WS_MIN allowed

```
124. CANALS USED AS FLOW THROUGH FOR WATER SUPPLY RELEASES TO CANALS DOWNSTREAM
-----------------------------------------------------------------------------------------------------------------------
..-..   no_flwth_cnls                   Free    Number of Flow through Canals
        cnl_flwth_name(1)               Free    Name of Canal #1 as seen by the model
        cnl_flwth_name(2)               Free    Name of Canal #2 as seen by the model
                *
                *
        cnl_flwth_name(no_flwth_cnls)   Free    Name of Canal #no_flwth_cnls as seen by the model
-----------------------------------------------------------------------------------------------------------------------
125. CANALS USED STRICTLY AS FLOW THROUGH FOR FLOOD CONTROL DISCHARGES
-----------------------------------------------------------------------------------------------------------------------
..-..   no_fc_flwth_cnls                FREE    Number of canals used strictly as flow through for
                                                flood control discharges
..-..   cnl_fc_flwth_name(1)            FREE    Name of canal # 1
..-..   cnl_fc_flwth_name(2)            FREE    Name of canal # 2
                *
                *
..-..   cnl_fc_flwth_name(              FREE    Name of canal # no_fc_flwth_cnls
        no_fc_flwth_cnls)
-----------------------------------------------------------------------------------------------------------------------
        DATA PERTAINING TO SERVICE AREAS  (WATER SUPPLY)
-----------------------------------------------------------------------------------------------------------------------
126. NUMBER OF LEC SERVICE AREAS
-----------------------------------------------------------------------------------------------------------------------
..-..   NSVAREA                         Free    Number of Service Areas
-----------------------------------------------------------------------------------------------------------------------
127. CANALS RECEIVING FLOW DIRECTLY FROM WATER CONSERVATION AREA IN SERVICE AREAs
     (Needed for computation of total water supply needs in Service Areas)
-----------------------------------------------------------------------------------------------------------------------
127.1 CANALS RECEIVING FLOW DIRECTLY FROM WATER CONSERVATION AREA IN SERVICE AREA 1
-----------------------------------------------------------------------------------------------------------------------
1-7     nsacnl(1)                       I5, 2X  Number of canals receiving flow from WCAs in SA-1
8-13    sa_canal_name(1)                A5, 1X  Name of Canal #1
14-19   sa_canal_name(2)                A5, 1X  Name of Canal #2
              *
              *
..-..   sa_canal_name(nsacnl(1))        A5, 1X  Name of Canal #nsacnl(1)
-----------------------------------------------------------------------------------------------------------------------
127.2 CANALS RECEIVING FLOW DIRECTLY FROM WATER CONSERVATION AREA IN SERVICE AREA 2
-----------------------------------------------------------------------------------------------------------------------
1-7     nsacnl(2)                       I5, 2X  Number of canals receiving flow from WCAs in SA-2
8-13    sa_canal_name(1)                A5, 1X  Name of Canal # 1
14-19   sa_canal_name(2)                A5, 1X  Name of Canal # 2
              *
              *
..-..   sa_canal_name(nsacnl(2))        A5, 1X  Name of Canal # nsacnl(2)
-----------------------------------------------------------------------------------------------------------------------
                                                *
```

```
                                                 *
                                                 *
------------------------------------------------------------------------------------------------------------------------
127... CANALS RECEIVING FLOW DIRECTLY FROM WATER CONSERVATION AREA IN SERVICE AREA # NSVAREA
------------------------------------------------------------------------------------------------------------------------
1-7     nsacnl(NSVAREA)                 I5, 2X  Number of canals receiving flow from WCAs in SA-NSVAREA
8-13    sa_canal_name(1)                A5, 1X  Name of Canal # 1
14-19   sa_canal_name(2)                A5, 1X  Name of Canal # 2
              *
              *
..-..   sa_canal_name(nsacnl(NSVAREA))  A5, 1X  Name of Canal # nsacnl(NSVAREA)
------------------------------------------------------------------------------------------------------------------------
128. STARTING CANALS IN THE CANAL NETWORK IN SERVICE AREAS
     (FOR DETERMINING THE DOWNSTREAM NEEDS AT ANY STRUCTURE IN THE NETWORK)
------------------------------------------------------------------------------------------------------------------------
128.1 STARTING CANALS IN THE CANAL NETWORK IN SERVICE AREA 1
------------------------------------------------------------------------------------------------------------------------
1-7     NSTART(1)                       I5, 2X  Number of starting canals in the canal network in SA-1
8-13    CISTC(1)                        A5, 1X  Name of Canal # 1
14-19   CISTC(2)                        A5, 1X  Name of Canal # 2
              *
              *
..-..   CISTC(NSTART(1))                A5, 1X  Name of Canal # NSTART(2)
------------------------------------------------------------------------------------------------------------------------
128.2 STARTING CANALS IN THE CANAL NETWORK IN SERVICE AREA 2
------------------------------------------------------------------------------------------------------------------------
1-7     NSTART(2)                       I5, 2X  Number of starting canals in the canal network in SA-2
8-13    CISTC(1)                        A5, 1X  Name of Canal # 1
14-19   CISTC(2)                        A5, 1X  Name of Canal # 2
              *
              *
..-..   CISTC(NSTART(2))                A5, 1X  Name of Canal # NSTART(2)
------------------------------------------------------------------------------------------------------------------------
                                                 *
                                                 *
                                                 *
------------------------------------------------------------------------------------------------------------------------
128.... STARTING CANALS IN THE CANAL NETWORK IN SERVICE AREA # NSVAREA
------------------------------------------------------------------------------------------------------------------------
1-7     NSTART(NSVAREA)                 I5, 2X  Number of starting canals in the canal network in SA-NSVAREA
8-13    CISTC(1)                        A5, 1X  Name of Canal # 1
14-19   CISTC(2)                        A5, 1X  Name of Canal # 2
              *
              *
..-..   CISTC(NSTART( NSVAREA))         A5, 1X  Name of Canal # NSTART(NSVAREA)
------------------------------------------------------------------------------------------------------------------------
129. read (2,'(F6.1,2x,A5)') rmin_stg_l30_ws,loxenv
```

```
130. read (2,*) no_of_reuse_plnts
```

```
--------------------------------------------------------------------------------------------------------------------
129. MININUM DOWNSTREAM STAGE IN L-30 ALLOWED FOR LOCAL CONTRIBUTION IN MEETING DOWNSTREAM DEMANDS AND &
     OPTION FOR ENVIRONMENTAL WATER SUPPLY FOR LOXAHATCHEE SLOUGH (TRUE / FALSE)
--------------------------------------------------------------------------------------------------------------------
1-8      rmin_stg_l30_ws                F6.1,2X Minimum downstream stage in L-30 allowed for LOCAL contribution
9-13     loxenv                         A5      Option for environmental water supply for Loxahatchee Slough
                                                (TRUE or FALSE)
--------------------------------------------------------------------------------------------------------------------
130. NUMBER OF REUSE PLANTS SIMULATED
--------------------------------------------------------------------------------------------------------------------
..-..    no_of_reuse_plnts              FREE    Number of reuse plants simulated
--------------------------------------------------------------------------------------------------------------------
131.1 FOR PLANT # 1: AVERAGE DAILY REUSE VOLUME (AC-FT/DAY) FOR JAN-DEC; OPTION FOR REUSE RECEPIENT
        (0 CANAL, 1 GRID CELL)
--------------------------------------------------------------------------------------------------------------------
..-..    avg_daily_reuse_vol(1,1)       Free    Avg daily reuse volume(ac-ft/day)for Jan. for plant # 1
..-..    avg_daily_reuse_vol(1,2)       Free    Avg daily reuse volume(ac-ft/day)for Feb. for plant # 1
                *
                *
..-..    avg_daily_reuse_vol(1,12)      Free    Avg daily reuse volume(ac-ft/day)for Dec. for plant # 1
..-..    iopt_rec_reuse(1)              Free    Option for recipient of reuse (0-canal, 1-grid cell) for plant # 1
--------------------------------------------------------------------------------------------------------------------
132a.1 READ THIS RECORD IF OPTION OF REUSE RECEPIENT FOR PLANT # 1 IS A CANAL (i.e., iopt_rec_reuse(1) = 0)
--------------------------------------------------------------------------------------------------------------------
1-5      no_canals_reuse(1)             I5      Number of reuse recipient Canals  for plant # 1
6-12     canal_reuse_names(1)           2X, A5  Name of Canal #1
13-19    canal_reuse_names(2)           2X, A5  Name of Canal #2
                *
                *
..-..    canal_reuse_names(             2X, A5  Name of Canal # no_canals_reuse(no_canals_reuse(2))
         no_canals_reuse(1))
--------------------------------------------------------------------------------------------------------------------
132b.1 READ THIS RECORD IF OPTION OF REUSE RECEPIENT FOR PLANT # 1 IS A GRID CELL (i.e., iopt_rec_reuse(1) = 1)
--------------------------------------------------------------------------------------------------------------------
1-3      no_grid_cells_reuse(1)         I3      Number of reuse recipient grid cells for plant # 1
4-6      icol_reuse(1)                  I3      Column # for grid cell # 1
7-9      irow_reuse(1)                  I3      Row # for grid cell # 1
10-17    resname_reuse(1,1)             A6, 2X  Reservoir name for grid cell 1  for plant # 1
18-21    rmax_stage_reuse(1,1)          F4.1    Max stage (ft.) in cell 1 reservoir allowed for routing of
                                                reuse water  for plant # 1
22-24    icol_reuse(2)                  I3      Column # for grid cell # 2
25-27    irow_reuse(2)                  I3      Row # for grid cell # 2
28-35    resname_reuse(1,2)             A6, 2X  Reservoir name for grid cell 2  for plant # 1
36-39    rmax_stage_reuse(1,2)          F4.1    Max stage (ft.) in cell 2 reservoir allowed for routing of
                                                reuse water for plant # 1
             *
             *
```

```
 ..-..  icol_reuse(no_grid_             I3      Column # for grid cell # no_grid_cells_reuse(1)
        cells_reuse(1))
 ..-..  irow_reuse(no_grid_             I3      Row # for grid cell # no_grid_cells_reuse(1)
        cells_reuse(1))
..-..   resname_reuse(1,                A6, 2X  Reservoir name for grid cell # no_grid_cells_reuse(1)
        no_grid_cells_reuse(1))                 for plant # 1
..-..   rmax_stage_reuse(1,             F4.1    Max stage(ft. NGVD) in cell # no_grid_cells_reuse(1) reservoir
        no_grid_ cells_reuse(1))                allowed for routing of reuse water  for plant # 1
-----------------------------------------------------------------------------------------------------------------------
131.2 FOR PLANT # 2 : AVERAGE DAILY REUSE VOLUME (AC-FT/DAY) FOR JAN-DEC; OPTION FOR REUSE RECEPIENT
        (0 CANAL, 1 GRID CELL)
-----------------------------------------------------------------------------------------------------------------------
..-..   avg_daily_reuse_vol(2,1)        Free    Avg daily reuse volume(ac-ft/day)for Jan. for plant # 2
..-..   avg_daily_reuse_vol(2,2)        Free    Avg daily reuse volume(ac-ft/day)for Feb. for plant # 2
                *
                *
..-..   avg_daily_reuse_vol(2,12)       Free    Avg daily reuse volume(ac-ft/day)for Dec. for plant # 2
..-..   iopt_rec_reuse(2)               Free    Option for recipient of reuse (0-canal, 1-grid cell) for plant # 2
-----------------------------------------------------------------------------------------------------------------------
132a.2 READ THIS RECORD IF OPTION OF REUSE RECEPIENT PLANT # 2 IS CANAL (i.e., iopt_rec_reuse(1) = 0)
-----------------------------------------------------------------------------------------------------------------------
1-5     no_canals_reuse(2)              I5      Number of reuse recipient Canals  for plant # 2
6-12    canal_reuse_names(1)            2X, A5  Name of Canal #1
13-19   canal_reuse_names(2)            2X, A5  Name of Canal #2
                *
                *
..-..   canal_reuse_names(              2X, A5  Name of Canal # no_canals_reuse(no_canals_reuse(2))
        no_canals_reuse(2))
-----------------------------------------------------------------------------------------------------------------------
132b.2 READ THIS RECORD IF OPTION OF REUSE RECEPIENT PLANT # 2 IS GRID CELL (i.e., iopt_rec_reuse(1) = 1)
-----------------------------------------------------------------------------------------------------------------------
1-3     no_grid_cells_reuse(2)          I3      Number of reuse recipient grid cells for plant # 2
4-6     icol_reuse(1)                   I3      Column # for grid cell # 1
7-9     irow_reuse(1)                   I3      Row # for grid cell # 1
10-17   resname_reuse(2,1)              A6, 2X  Reservoir name for grid cell 1  for plant # 2
18-21   rmax_stage_reuse(2,1)           F4.1    Max stage (ft.) in cell 1 reservoir allowed for routing of
                                                reuse water  for plant # 2
22-24   icol_reuse(2)                   I3      Column # for grid cell # 2
25-27   irow_reuse(2)                   I3      Row # for grid cell # 2
28-35   resname_reuse(2,2)              A6, 2X  Reservoir name for grid cell 2  for plant # 2
36-39   rmax_stage_reuse(2,2)           F4.1    Max stage (ft.) in cell 2 reservoir allowed for routing of
                                                reuse water for plant # 2
             *
             *
 ..-..  icol_reuse(no_grid_             I3      Column # for grid cell # no_grid_cells_reuse(1)
        cells_reuse(2))
 ..-..  irow_reuse(no_grid_             I3      Row # for grid cell # no_grid_cells_reuse(1)
        cells_reuse(2))
```

```
..-..   resname_reuse(2,                A6, 2X  Reservoir name for grid cell # no_grid_cells_reuse(1)
        no_grid_cells_reuse(2))                 for plant # 2
..-..   rmax_stage_reuse(2,             F4.1    Max stage(ft. NGVD) in cell # no_grid_cells_reuse(1) reservoir
        no_grid_ cells_reuse(2))                allowed for routing of reuse water  for plant # 2
---------------------------------------------------------------------------------------------------------------------
                                                *
                                                *
                                                *
---------------------------------------------------------------------------------------------------------------------
131.no_of_reuse_plnts FOR PLANT # no_of_reuse_plnts: AVERAGE DAILY REUSE VOLUME (AC-FT/DAY) FOR JAN-DEC
                                                     OPTION FOR REUSE RECEPIENT (0 CANAL, 1 GRID CELL)
---------------------------------------------------------------------------------------------------------------------
..-..   avg_daily_reuse_vol(
        no_of_reuse_plnts,1)            Free    Avg daily reuse volume(ac-ft/day)for Jan.
..-..   avg_daily_reuse_vol(
        no_of_reuse_plnts,2)            Free    Avg daily reuse volume(ac-ft/day)for Feb.
                *
                *
..-..   avg_daily_reuse_vol(
        no_of_reuse_plnts,12)           Free    Avg daily reuse volume(ac-ft/day)for Dec.
..-..   iopt_rec_reuse(
        no_of_reuse_plnts)              Free    Option for recipient of reuse (0 - canal,1 - grid cell)
---------------------------------------------------------------------------------------------------------------------
132a.2 READ THIS RECORD IF OPTION OF REUSE RECEPIENT IS CANAL (i.e., iopt_rec_reuse(1) = 0)
---------------------------------------------------------------------------------------------------------------------
1-5     no_canals_reuse(
        no_of_reuse_plnts)              I5      Number of reuse recipient Canals
6-12    canal_reuse_names(1)            2X, A5  Name of Canal #1
13-19   canal_reuse_names(2)            2X, A5  Name of Canal #2
                *
                *
..-..   canal_reuse_names(no_canals_
        reuse(no_of_reuse_plnts))       2X, A5  Name of Canal # no_canals_reuse(no_of_reuse_plnts)
---------------------------------------------------------------------------------------------------------------------
132b.2 READ THIS RECORD IF OPTION OF REUSE RECEPIENT IS GRID CELL (i.e., iopt_rec_reuse(1) = 1)
---------------------------------------------------------------------------------------------------------------------
1-3     no_grid_cells_reuse(
        no_of_reuse_plnts)              I3              Number of reuse recipient grid cells
4-6     icol_reuse(1)                   I3              Column # for grid cell # 1
7-9     irow_reuse(1)                   I3              Row # for grid cell # 1
10-17   resname_reuse(
        no_of_reuse_plnts,1)            A6, 2X          Reservoir name for grid cell 1
18-21   rmax_stage_reuse(
        no_of_reuse_plnts,1)            F4.1            Max stage(ft.) in cell 1 reservoir allowed for routing
                                                        of reuse water
22-24   icol_reuse(2)                   I3              Column # for grid cell # 2
25-27   irow_reuse(2)                   I3              Row # for grid cell # 2
28-35   resname_reuse(
```

```
        no_of_reuse_plnts,2)           A6, 2X          Reservoir name for grid cell 2
36-39   rmax_stage_reuse(
        no_of_reuse_plnts,2)           F4.1            Max stage(ft.) in cell 2 reservoir allowed for routing
                                                       of reuse water
             *
             *
 ..-..  icol_reuse(no_grid_            I3              Column # for grid cell #
        cells_reuse(no_of_reuse_plnts))                no_grid_cells_reuse(no_of_reuse_plnts)
 ..-..  irow_reuse(no_grid_            I3              Row # for grid cell #
        cells_reuse(no_of_reuse_plnts))                no_grid_cells_reuse(no_of_reuse_plnts)
..-..   resname_reuse(no_of_reuse_     A6, 2X          Reservoir name for grid cell #
        plnts,no_grid_cells_reuse(no_of_reuse_plnts))  no_grid_cells_reuse(no_of_reuse_plnts)
..-..   rmax_stage_reuse(no_of_reuse_  F4.1            Max stage(ft. NGVD) in cell # no_grid_cells_reuse(no_of_
        plnts,no_grid_ cells_reuse(no_of_reuse_plnts)) reuse_plnts) reservoir allowed for routing of reuse water
-------------------------------------------------------------------------------------------------------------------
133-.. SPECIAL INPUT FOR EXECUTION OF locwslwdd SUBROUTINE DETERMINING DEMANDS
        WITHIN LAKE WORTH DRAINAGE DISTRICT (LWDD)
-------------------------------------------------------------------------------------------------------------------
133. MAXIMUM CAPACITY (CFS) FOR CS2,CS9,CS12,CS17W,CS17E
-------------------------------------------------------------------------------------------------------------------
1-6     CAPACCS2                       F6.0    Maximum capacity for CS2
7-12    CAPACCS9                       F6.0    Maximum capacity for CS9
13-18   CAPACCS12                      F6.0    Maximum capacity for CS12
19-24   CAPACCS17W                     F6.0    Maximum capacity for CS17W
25-30   CAPACCS17E                     F6.0    Maximum capacity for CS17E
-------------------------------------------------------------------------------------------------------------------
134. STRUCTURES NEEDED
-------------------------------------------------------------------------------------------------------------------
1-7     nstr_lwdd                      I5, 2X  Number of structures needed
8-14    str_lwdd_name(1)               A6, 1X  Name of structure # 1
15-21   str_lwdd_name(2)               A6, 1X  Name of structure # 2
              *
              *

..-..   str_lwdd_name(nstr_lwdd)       A6, 1X  Name of structure # nstr_lwdd
-------------------------------------------------------------------------------------------------------------------
135. UPSTREAM CANALS (OUTSIDE WCA) SUPPLYING WATER TO LWDD
-------------------------------------------------------------------------------------------------------------------
1-7     n_up_canals_lwdd               I5, 2X  Number of upstream canals outside WCA supplying water to LWDD
8-14    iup_canals_lwdd_name(1)        A6, 1X  Name of canal # 1
15-21   iup_canals_lwdd_name(2)        A6, 1X  Name of canal # 2
                *
                *


..-..   iup_canals_lwdd_name(
        n_up_canals_lwdd)              A6, 1X  Name of canal # n_up_canals_lwdd
-------------------------------------------------------------------------------------------------------------------
```

```
136. INTERIOR CANALS SIMULATED IN LWDD
------------------------------------------------------------------------------------------------------------------
1-7      n_canals_lwdd                  I5, 2X  Number of interior canals
8-14     canal_lwdd_name(1)             A6, 1X  Name of canal # 1
15-21    canal_lwdd_name(2)             A6, 1X  Name of canal # 2
                 *
                 *


..-..    canal_lwdd_name(n_canals_lwdd)  A6, 1X  Name of canal # n_canals_lwdd
------------------------------------------------------------------------------------------------------------------
137. NAME OF WATER CONSERVATION AREA AND ITS CONVEYANCE CANAL INTERACTING WITH LWDD
------------------------------------------------------------------------------------------------------------------
1-6      idowns_wca_name_lwdd           A5, 1X          Name of WCA interacting with LWDD
7-12     int_cnl_name_for_lwdd          A5, 1X          Name of WCA conveyance canal
------------------------------------------------------------------------------------------------------------------
138. INPUT IN THE NEXT THREE RECORDS CONTROL IF AND TO WHICH STA THE EXCESS WATER
        FROM VARIOUS BASINS  WILL BE ROUTED. THIS INPUT INVOLVES ROUTING OF WATER TO
        STAs AND ROTENBERGER TRACT ONLY!  IF OTHER RESERVOIRS ARE PROPOSED, EXCESS
        RUNOFF FROM APPROPRIATE BASIN IS ROUTED THERE FIRST, WHILE REMAINING IS
        ROUTED TO STA,IF APPLICABLE. RUNOFF FROM THE FOLLOWING BASINS,IN ORDER THEY
        ARE INPUT,POTENTIALLY IS ROUTED TO APPROPRIATE STA,DEPENDING ON THE OPTION INPUT:
     1. MIAMI CANAL BASIN IN EAA
     2. NORTH NEW RIVER BASIN IN EAA
     3. WEST PALM BEACH CANAL BASIN IN EAA
     4. HILLSBORO CANAL BASIN IN EAA
     5. WESTERN C-51 BASIN
     6. WESTERN BASINS (G-155,G-89,& G-88)
     7. 298 DISTRICTS EXCEPT EAST BEACH CONTROL DISTRICT
     8. EAST BEACH CONTROL DISTRICT of 298 DISTRICTS AND S-236 BASIN
     9. NO BASIN (NOW NOT USED)
    10. US SUGAR RANCH IN EAA
    11. MAKEUP WATER DUE TO BMPS
------------------------------------------------------------------------------------------------------------------
1-5      NBSNTSTA                       I5      Number of basins involved in the routing of water to STAs
6-11     PCTWMA(1)                      F6.0    Fraction of runoff (or remaining runoff if additional reservoir is
                                                proposed) available for routing from basin #1 into appropraite STA
12-17    PCTWMA(2)                      F6.0    Fraction of runoff (or remaining runoff if additional reservoir is
                                                proposed) available for routing from basin #2 into appropraite STA
            *
            *


..-..    PCTWMA(NBSNTSTA)               F6.0    Fraction of runoff (or remaining runoff if additional reservoir is
                                                proposed) available for routing from basin #NBSNTSTA
                                                into appropraite STA
------------------------------------------------------------------------------------------------------------------
139. READ THIS RECORD ONLY IF NBSNTSTA > 0
```

```
     CHARACTER IDENTIFIER OF RECEPIENT STA FOR EACH BASIN
----------------------------------------------------------------------------------------------------------------------
1-7     name_res_for_inflow(1)          A6, 1X  character identifier of recipient STA for Basin # 1
8-14    name_res_for_inflow(2)          A6, 1X  character identifier of recipient STA for Basin # 2
                *
                *


..-..   name_res_for_inflow(NBSNTSTA)   A6, 1X  character identifier of recipient STA for Basin # NBSNTSTA
----------------------------------------------------------------------------------------------------------------------
140. READ THIS RECORD ONLY IF NBSNTSTA > 0
     OPTION TO ROUTE WATER TO AN STA (0 - NO STA EXISTS, 1 STA EXISTS, ROUTE WATER TO IT)
----------------------------------------------------------------------------------------------------------------------
1-6     ISTAOPT(1)                      I6      option to route water to an STA
7-12    ISTAOPT(2)                      I6      option to route water to an STA
            *
            *


..-..   ISTAOPT(NBSNTSTA)               I6      option to route water to an STA
----------------------------------------------------------------------------------------------------------------------
141. NUMBER OF MONITORING POINTS TO BE OUTPUT TO A DAILY STAGE MONITORING POINT OUTPUT FILE
----------------------------------------------------------------------------------------------------------------------
..-..   nmtr                            Free            number of monitoring points output
----------------------------------------------------------------------------------------------------------------------
142.1 DATA FOR MONITORING POINT (STATION) # 1
----------------------------------------------------------------------------------------------------------------------
1-5     PLTNM(1,1)                      A5      Name of station #1
6-10    n_cells(1)                      I5      Number of cells representing station #1
11-14   IX(1)                           1x, I3  Column number of cell # 1 for station #1
15-17   IY(1)                           I3      Row number of cell # 1 for station #1
18-21   IX(2)                           1x, I3  Column number of cell # 2 for station #1
22-24   IY(2)                           I3      Row number of cell # 2 for station #1
          *
          *


..-..   IX(n_cells(1))                  1x, I3  Column number of cell # n_cells(1) for station #1
..-..   IY(n_cells(1))                  I3      Row number of cell # n_cells(1) for station #1
----------------------------------------------------------------------------------------------------------------------
142.2 DATA FOR MONITORING POINT (STATION) # 2
----------------------------------------------------------------------------------------------------------------------
1-5     PLTNM(2,1)                      A5      Name of station #2
6-10    n_cells(2)                      I5      Number of cells representing station #2
11-14   IX(1)                           1x, I3  Column number of cell # 1 for station #2
15-17   IY(1)                           I3      Row number of cell # 1 for station #2
18-21   IX(2)                           1x, I3  Column number of cell # 2 for station #2
22-24   IY(2)                           I3      Row number of cell # 2 for station #2
```

```
          *
          *


..-..   IX(n_cells(2))                1x, I3  Column number of cell # n_cells(2) for station #2
..-..   IY(n_cells(2))                I3      Row number of cell # n_cells(2) for station #2
-----------------------------------------------------------------------------------------------------------------------



-----------------------------------------------------------------------------------------------------------------------
142.nmtr DATA FOR MONITORING POINT (STATION) # nmtr
-----------------------------------------------------------------------------------------------------------------------
1-5     PLTNM(nmtr,1)                 A5      Name of station #nmtr
6-10    n_cells(nmtr)                 I5      Number of cells representing station #nmtr
11-14   IX(1)                         1x, I3  Column number of cell # 1 for station #nmtr
15-17   IY(1)                         I3      Row number of cell # 1 for station #nmtr
18-21   IX(2)                         1x, I3  Column number of cell # 2 for station #nmtr
22-24   IY(2)                         I3      Row number of cell # 2 for station #nmtr
          *
          *


..-..   IX(n_cells(nmtr))             1x, I3  Column number of cell # n_cells(nmtr) for station #nmtr
..-..   IY(n_cells(nmtr))             I3      Row number of cell # n_cells(nmtr) for station #nmtr
-----------------------------------------------------------------------------------------------------------------------
END OF DESCRIPTION FOR INPUT FILE "model_definition_info.man"
-----------------------------------------------------------------------------------------------------------------------
```